

716 i. 35.

THE
BREWER'S ASSISTANT.

H. P. W. R. S. ASSISTANT.

THE

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BREWER'S ASSISTANT,

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CONTAINING A

VARIETY OF TABLES,

CALCULATED TO FIND, WITH PRECISION,

THE VALUE, QUANTITY, WEIGHT, &c.

OF THE

PRINCIPAL ARTICLES PURCHASED, EXPENDED,
SOLD, OR RETAINED,

IN

A BREWING TRADE.

By Mr Goddwin

L O N D O N:

PRINTED BY J. DAVIS,
AND SOLD BY MESSRS. CADELL JUN. AND DAVIES, STRAND.

1796.

RENEWAL OF LEASE

PROPERTY OF

THE VALUE OF QUANTITY

PROPERTY OF

PROPERTY OF

PROPERTY OF

PROPERTY OF

THE
EXPLANATION AND USE
OF THE
T A B L E S.

IT is presumed that every one who has habituated himself to be accurate and expeditious in Arithmetical Calculations, possesses some knowledge of that very useful branch of Mathematics, Decimal Arithmetic; or, at least, of Four principal Rules in it, viz. Addition, Subtraction, Multiplication, and Division; and therefore cannot want direction how to obtain any Sum, Remainder, Product, or Quotient, that may result from the following Tables, unless the punctuation of the repeating and recurring Decimals in them, should require it: and to elucidate the punctuation, observe, that where a point (·) is placed over the Last Figure of any Line, it denotes that Figure to be a Repeating Decimal. Thus, in Page 1, Column 2, Line 2, the Decimal $0.02520\ 8\dot{3}$ is the same as $0.02520\ 8\dot{3}3333$, &c, *ad infinitum*. Where Two Points are placed, one of them over the Last, and the other over some preceding Figure, in any one Line, they denote, that the Figures under them, in conjunction with the intervening ones, are Recurring Decimals. Thus, in Page 1, Column 5, Line 2, the Decimal $0.024\dot{5}9\ 34\dot{9}$ is the same as $0.024\dot{5}9\ 34\dot{9}59349\ 59349$, &c, *ad infinitum*.

A

TABLE

EXPLANATION AND USE

TABLE I.

THIS Table was constructed on a presumption that the Saccharine Quality of Malt is in proportion to its Weight. If Malt be good in Quality, whether it be Pale, Amber, or Brown, it is probable that the Weight is a proper criterion of its Value; but whether that alone is sufficient, is not considered here.

It is intended to shew the Value of a Quarter of Malt, &c, at any given Weight, compared with a Quarter at a given Standard (or any other) Price and Weight.

The Decimal L. .025 = 6d., which is placed at the Top of the Second Column, and one line lower, in each succeeding Column, throughout this Table, is supposed to be the Standard Price of a Quarter of Malt, at the Standard Weight, placed opposite to it, in the First Column on the Left-hand; but the Standard Price and Weight may be varied at pleasure, as may be seen by the following Questions, Rules, and Examples.

FIRST QUESTION.

What is the Value of a Quarter of Malt, weighing Lb. 320, when L. .025 = 6d. is given for a Quarter weighing Lb. 240?

Rule.

Seek the Standard Weight (Lb. 240) in that First Column where the Standard Price (L. .025) is in a Line with it in one of the other Columns; and then opposite the given Weight (Lb. 320), and at the Angle of Meeting in the Column where the Standard Price is, will be the Value required.

Example.

Against the Standard Weight Lb. 240, in Page 1, Line 1, Column 1, of Table I, is the Standard Price (.025) in the Second Column, and opposite the given Weight Lb. 320 in the First Column, and at the Angle of meeting under .025 in the Second Column, stands .03 = 8d. the Value required.

SECOND QUESTION.

If a Quarter of Malt weighs Lb. 242, and costs 40s. what is the comparative Value of a Quarter which weighs Lb. 310?

Rule.

Rule.

Seek the Standard Weight (Lb. 242) in the First Column, where the Standard Price (.025) is in a line with it in one of the other Columns, then against the given Weight (Lb. 310) in the First Column, and at the Angle of meeting with it under .025 in the other Column, will be the comparative Value at .025, or 6d. per Quarter: Multiply this comparative Value by the Number of Sixpences in the given Price, and the Product will be the Value required.

Example.

In Page 1, Col. 1, Line 2, is the Standard Weight, against which, in the Third Column of Page 1, is the Standard Price; then, at the Angle of Meeting, under .025, and against Lb. 310 in the First Column, is the Decimal .03202, &c, which being multiplied by 80 (the number of Sixpences in 40s.) will give $2.56160 = 51s. 2\frac{1}{2}d.$ the Value required.

THIRD QUESTION.

If a Quarter of Malt, weighing Lb. 310, cost 51s. what should be given for a Quarter weighing Lb. 242?

Rule.

Is the same as to the Second Question.

Example.

In Page 8, Col. 1, Line 36, is the Standard Weight, and against it, in Col. 2, is the Standard Price (.025); then, at the Angle of Meeting, above .025, and against Lb. 242, stands .01951, &c, which being multiplied by 102, (the number of Sixpences in 51s.) will produce $1.99002 = 39s. 9\frac{1}{2}d.$ the Answer required.

TABLE II.

THIS Table is in some respects more limited, and in others it is more extensive, than Table I. The Standard Weight in this is limited to Lb. 300 per Quarter, and the Value is within the boundaries of from 25s. to 55s. per Quarter; but it has the advantage of more readily shewing the Comparative Values in English Money at one view; and by means of the Equivalent Decimals, the Cost of any given number of Quarters, or Bushels, &c, may be found with great ease and exactness. And a little consideration will prove to those

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those who use it, that it is very easily convertible, to find the Comparative Value according to different Weights, of other sorts of Grain, as Oats, Wheat, &c, that are either less or more Weighty, or of less or greater Price, than Malt. A few Specimens of its Utility are as follow :

FIRST QUESTION.

If a Quarter of Malt, &c, weighing Lb. 300, cost 53s. 6d., what is the Value of a Quarter that weighs Lb. 318 ?

Rule.

Seek the given Price in the Top Horizontal Column, and at the Angle of Meeting, against the given Weight in the First Perpendicular Column of the same Page, is the required Value of a Quarter, both in Decimals, and English Money.

Example.

In page 51, you will find Lb. 318 in the First Perpendicular Column on the Left-hand, and against it, in the Two next Columns (which are under 53s. 6d.) is the Decimal L. 2.8355, and its equivalent in English Money, 56s. 8½d., either of which is the Answer required.

SECOND QUESTION.

What will 50 Quarters of Malt cost, each Quarter weighing Lb. 280, when a Quarter of Lb. 300 weight is worth 52s. ?

Rule.

Seek the given Price in the Top Horizontal Column, and under it, in the First Perpendicular Column, the given Weight ; at the Angle of Meeting is the Price of One Quarter, at the Weight required, both in Decimals and in English Money : Multiply the Decimals so found by the given Number of Quarters, and the Product will be the Answer.

Example.

Thus in Page 48, under the given Price 52s. and against the given Weight Lb. 280, is L. 2.426 = 48s. 6¼d. therefore $2.426 \times 50 = \text{L. } 121.3 = \text{L. } 121 \text{ } 6\text{s. } 8\text{d.}$ the Answer.

TABLE III.

IT is supposed that the Title of this Table will sufficiently point out its Utility, and render any further Explanation unnecessary.

TABLE

TABLE IV.

BY this Table the Value of any Number of Quarts of Malt, &c, under a Quarter, is easily ascertained—thus :

FIRST QUESTION.

What is the Value of 220 Quarts of Malt, &c, at 45s. = L. 2.25 per Quarter?

Rule.

Under the Title, Quarts, seek the Number required : Multiply the Decimal opposite the given Number of Quarts by the Price per Quarter, the Product will be the Answer.

Example.

In Page 56, Table IV, under the Title Quarts, and against the required Number 220, is the Decimal 0.859375, which Multiplied by 2.25 = L. 1.93359375 = 38s. 8d. the Answer.

SECOND QUESTION.

If 320 Quarters of Malt, at 42s. = L. 2.1 each, want 3 Quarts of the proper Measure, what is the Deficiency in Quarters and Quarts, and the Value of it?

Rule.

Find the whole Deficiency in Quarts, reduce it into Quarters, by dividing by 256 ; the Quotient will give the Number of Quarters, and the Remainder the Number of Quarts. Then, to the Value of the Quarters in the Quotient, add the Value of the Quarts in the Remainder, to be found by the First Rule, and the Sum will be the Answer required.

Example.

$$320 \times 3 = 960 = \text{the whole Deficiency in Quarts.}$$

$$\begin{array}{r} 256 \overline{) 960} \quad (3 = \text{the Number of Quarters.} \\ 768 \end{array}$$

$$\underline{192} = \text{the Number of Quarts.}$$

$$\text{Then } \left\{ \begin{array}{l} \text{Quarters } 3 \text{ at } \\ \text{Quarts } 192 \text{ at } \end{array} \right\} \text{L. } 2.1 \left\{ \begin{array}{l} = \text{L. } 6.3 \\ = 1.575 \end{array} \right.$$

$$\text{Therefore L. } 6.3 + 1.575 = 7.875 = \text{L. } 7 \text{ } 17\text{s. } 6\text{d. the Anf.}$$

TABLE V.

THE Title of this Table fully explains its Use, which is elucidated by the following

QUESTION.

What is the Price of a Pound of any Article, at $9\frac{1}{4}$ d. per Cwt.?

Rule.

Under the Title, Price per Cwt. seek the given Price, and against it, is the Value of a Lb. of that Article.

Example.

Against $9\frac{1}{4}$ d. is the Decimal L. $\cdot 00034412$, &c. the Answer required.

If you want the Value of any Number of Lbs. at the same Price; Multiply the Number of Pounds by the Decimal found as above, and the Product will be the Answer.

TABLE VI.

THIS Table is properly a Continuation of the preceding one, and the required Values may be found by it in the same manner.

TABLE VII.

THE Use of this Table is so plain that it needs no Explanation; but the superiority of Decimal over common Arithmetick will be particularly obvious, by proposing only one

QUESTION.

What will 1840 Gallons of Beer amount to, at 27s. per Barrel?

Rule.

Seek the required Price in the First or Second Columns on the Left-hand, for One Gallon, and Multiply the Number of Gallons for which the Amount is required, by the Decimals standing against that Price, and the Product will be the Answer.

Example.

In Page 63, and in Columns 1 and 2, against L. 1.35 or 27s. are the Decimals $\cdot 0375$, which multiplied by 1840, will give L. $69\cdot 0000 =$ L. 69 os. od., the Answer required; but it is obvious, that to find this Answer by common Arithmetick would be far more operose.

TABLE

OF THE TABLES.

7

TABLE VIII.

AT One Pound per Quarter, the Gain or Loss is plainly shewn by this Table; but if either of them be required at any other Price, proceed as follows:

QUESTION.

What will be gained by drawing 4 Gallons more than 3 Barrels, from a Quarter of Malt, at 45s. per Quarter?

Rule.

Seek the increased Number of Gallons, &c, required in the 2d or 5th Column of the Table, and opposite to that Number are the Decimals equivalent to the required Gain or Loss, at L. 1 per Quarter: Multiply them by the given Price, and the Product will be the Answer.

Example.

The increased Number of Gallons, by the Question, is 4, which is found in the Second Column of Page 75; the Decimals opposite are .03703 91 or .03704 fere; which last, multiplied by 45s. = L. 2.25 = L. 0.08334 = L. 0 1s. 8d. per Quarter, the Answer.

TABLE IX.

THE Title of this Table, it is presumed, gives sufficient Explanation of its Use.

TABLE X.

APPEARS sufficiently obvious, without farther Explanation than is given by the Title.

TABLE XI.

THIS Table is not so applicable to the Brewing Trade as the next; and the Operation being the same in both, the Method of using this will be explained in the following one.

TABLE XII.

AS no Pumps, that are in general use, are smaller in Diameter than One, or larger than Twelve Inches, it would be useless to extend this Table beyond these limits. The following Question will shew its Use.

QUESTION

EXPLANATION AND USE

QUESTION.

What quantity of Water, in Beer Barrels, can be raised in One Hour, by a Pump of Eight Inches Diameter, at 20 Strokes per Minute, the length of each Stroke being 15 Inches?

Rule.

This you will find printed at the Bottom of the Table.

Example.

Strokes per Minute.		Minutes per Hour, or for the given Time.		Length of Stroke. Inches.		Tabular Number against given Diameter 8.	
20	×	60	×	15	=	18000	×
						17824	=

3208.32 Gallons, the Answer.

But observe, that about 1-5th should be deducted from the Quantity above given, for waste by opening and shutting the Valves of the Bucket, and Clacks of the Pump; and therefore the following Answer will be nearer the Truth:

Gallons $3208.32 \div 5$

= 641.66

Gallons 2566.66 Answer.

TABLE XIII.

THIS Table is precisely the same as Table XII, except only, that this gives the result in Beer Barrels, whereas the other gives it in Beer Gallons; therefore the one may be made use of to examine and correct any Errors that may arise from computing with the other.

TABLE XIV.

THE Experiments of M. le Chevalier DU BUAT, in his *Principes d'Hydraulique*, will convince those who consult his Work, that the Principle on which this Table is calculated, is not precisely correct: however, it will serve to give some friendly warning to Brewers, as they may calculate by it, that if a Hoop was to burst, or any other Body was to fall on a Cock of Two Inches in Diameter, that was placed near the Bottom of a Vat, whose mean Depth was Ten Feet, and break it, the Expenditure therefrom would be about Four Barrels per Minute: and as the Areas of Circles are in proportion to the Squares of their Diameters, it will be easy to calculate what the Expenditure or Loss would be at any given Diameter.

TABLE

TABLE XV.

THIS Table, like the preceding one, does not give a correct Result; but it will serve to convey a general Idea of the Expenditure of Water per Minute, in Beer Gallons, at different Depths, given in Feet, from the Top of Reservoirs, through a Circular Hole of One Inch in Diameter.

TABLE XVI.

GIVES the same Result, in Wine Gallons, and in the same Manner as the foregoing one does in Beer Gallons.

TABLE XVII.

THIS Table shews the Length a Pipe or Cylinder must be to contain a Beer Barrel; and by means of the Rule of Three, the Quantity that a Pipe or Cylinder of any Length will contain, at any Diameter, stated in the Table, may easily be found; and it will also shew what Length a Pipe of a given Diameter must be to contain a given Quantity.

FIRST QUESTION.

What will a Pipe of $3\frac{1}{2}$ Inches Diameter, and 1582.767 Inches in Length, contain?

Rule.

Seek the given Diameter in the Table, and Divide the given Number of Inches by the Figures in the next Column but one to, and in a line with, the given Diameter, the Quotient will be the Answer.

Example.

Against $3\frac{1}{2}$ Inches Diameter stands 1055.178, by which Divide the given Length 1582.767 Inches, and the Quotient will = 1.5 Barrels, or thus

$$1055.178 \overline{) 1582.767} (1.5 \text{ Barrels the Answer.}$$

SECOND QUESTION.

What must be the Length of a Pipe of 9 Inches Diameter, to contain 4 Barrels and 9 Gallons = 4.25 Barrels?

b

Rule.

Rule.

Seek the given Diameter in the Table; and in the next Column but one to the Right, is a Multiplier for the given Number of Barrels, to give the Length required.

Example.

The Multiplier opposite the given Diameter is 159.579; the given Number of Barrels is 4.25; therefore $159.579 \times 4.25 = 678.21075$ Inches, the Answer required.

TABLE XVIII.

THE First Column of this Table contains the Number of Feet, in Height, to which the Water is to be raised; and although it apparently extends to no greater Height than Nine Feet, it is applicable to any Height whatever. Thus,

Supposing the Diameter of the Cylindric Bore to be One Inch, and that the Cylinder is Eight Feet high; and it be required to know the Number of Cube Feet contained in the Cylinder,

Cube Feet.

Against 8 Feet in the First Column, is .04363, &c, in the 2d, the Answer. But if the Contents of a Cylinder be required, whose Diameter is (as before) One Inch, and the Height 80. Feet, remove the Decimal Point, in the 2d Column, One Place more to the Right-hand, and .4363, &c, will be the Answer.

If the Height required be 800. Feet, remove the Decimal Point Two Places, and so on, thus, 4.363, &c, will be the Answer.

Now, supposing the Diameter, as before, to be One Inch, the Height to be 1728 Feet, and the Contents in Cube Feet be required.

Against 1000. in the First Column, will be .0054541 &c,

Do. 700. Do. - .038179 &c,

Do. 20. Do. - .1090 &c,

Do. 8. Do. - .0436 &c,

Feet 1728. = Cube Feet 9.4246 the Answer required:

Or, If you Multiply the required Height (1728) by the Decimals in the Second Column, opposite 1 Foot in the First Column, the Result will be the same; thus, $1728. \times .0054541, \&c, = 9.4246$, the Answer as before.

The

The Removal of the Decimal Points, or the Multiplication beforementioned, are either of them equally applicable to either of the Four remaining Columns as to the Second, by which they have been elucidated : therefore we have now seen, not only how to obtain the Number of Cube Feet contained in a Cylinder of One Inch in Diameter, at any given Height, but also how to obtain the Number of Beer Barrels, Beer Gallons, Wine Gallons, and Avoirdupoise Lbs. contained in such Cylinders. Our next step shall be, to find the Contents of Cylinders, at any other Diameter of Bore than One Inch ; and by only premising that, the Areas of all Circles are in proportion to the Squares of their Diameters, it will be obvious that the Contents of Cylinders, of any Dimensions, may very easily, expeditiously, and correctly, be obtained by means of this Table. Thus,

FIRST QUESTION.

Required the Number of Beer Barrels contained in a Cylinder, or Pipe, 45 Feet long and 12 Inches in Diameter ?

Rule.

Seek the Number of Beer Barrels, at 45 Feet high, by either of the Methods shewn above ; Multiply that Number by the Square of the given Diameter, and the Product will be the Answer.

Example.

		Beer Barrels.	
Against 4. Feet in the First Column, is	.003713	in the 3d Col.	
consequently against 40. Do.	Do.	will be	0.03713 in Do.
against 5. Do.	Do.		.00464 in Do.
therefore 45.	=		0.04177
Or, 45. × .0009283	=		0.04177

Now, Barrels 0.04177 are the Contents, according to the Question, of a Cylinder or Pipe 45 Feet long, and One Inch in Diameter. The given Diameter is 12 Inches, the Square of which is 144. Therefore, by the Rule,

$$.04177 \times 144. = \text{Barrels } 6.01488 \text{ the Answer.}$$

SECOND QUESTION.

Required the Weight of Water, in Avoirdupoise Pounds, contained in a Cylinder or Pipe, 45 Feet long and 12 Inches in Diameter ?

Example.

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Example.

Against 4. in the First Column, is 1.363538, &c, in the Last Col.

Therefore against 40. in Do. will be 13.63538, &c, in Do.

Against 5. in Do. is 1.70442, &c, in Do.

45. = 15.33980

Or, as before, $45. \times .3408846 = \text{Lb. } 15.33980$ Weight of the Cylinder, at One Inch Diameter.

Then, $\text{Lb. } 15.3398 \times 144 = \text{Lb. } 2208.9312$ the Answer required.

TABLE XIX.

BY the help of this Table the Number of Barrels contained in a Circular Vat, of most general Dimensions, may be very expeditiously found, and very near the Truth; thus—

QUESTION.

What Number of Beer Barrels will a Vat contain, of the following Dimensions?

Top Diameter,	—	22 Feet	} in the Clear.
Bottom Do.	—	24 Do.	
Depth,	—	18 Do.	

Rule.

Add the Top and Bottom Diameters, taken in Feet, together, and Divide their Sum by Two, for a mean Diameter: seek the nearest Diameter to this mean Diameter in the 2d or 5th Columns of the Table; Multiply the Number of Barrels found in the 1st or 4th Columns of the Table, opposite the nearest Diameter, by the Depth taken in Feet, and the Product will be the Answer, within a few Barrels.

Example.

$22 + 24 = 46 \div 2 = 23 =$ the mean Diameter. Then, the nearest Diameter in the Table to 23 is 23.045, and against it, in the First Column, is 71 Barrels; which, being Multiplied by 18, the Depth of the Vat in Feet, gives Barrels 1278 for the Answer. The true Answer, by Mr. Wales's Rule, as stated amongst the Concise Rules at the End of these Tables, will be

1273.75 Barrels: So that the Difference is only

4.25 Do. out of 1278, or about 1 in 300.

1278.00

Therefore

Therefore this Table will enable you, almost instantly, to know the Content of Circular Vats, of almost any Dimensions; and you can very readily adapt the Sizes to the Situation wherein you wish to place them.

TABLE XX.

THIS Table shews, by inspection, the Diameter a Circle must be of to contain any given Number of Beer Gallons, from One to Thirty-six, at One Inch in Depth.

It shews also the Number of Cube Inches contained in each Gallon, and the Square Root of the Area of those Cube Inches.

TABLES XXI TO XXVIII.

THESE Tables being all constructed upon the same Principle, an Explanation of the Method of using One, will elucidate all of them. They are capable of being carried to great Extent; and probably may be found by others, as they have been by the Calculator, very useful.

The Nine Digits are placed, in Page 90, in the First Column on the Left-hand, under the word Barrels; and opposite to them, under the word Gallons, in the Second Column, are placed the Gallons, equivalent in Value, to each of those Barrels; therefore you may see, by Inspection, how many Gallons are contained in the Number of Barrels expressed by either of the Digits. But this Table is capable of shewing, by Addition only, how many Gallons are contained in any given Number of Barrels whatever; and the Table opposite to it will shew how many Barrels are contained in any given Number of Gallons.

	Barrels.	Gallons.
It is obvious, by the First Table, that	1. =	34.
It is as obvious therefore,	that 10. =	340.
	that 100. =	3400.
	that 1000. =	34000. and so on.
Again, it is plain,	that 8. =	272.
	that 80. =	2720.
	that 800. =	27200. &c.

Therefore the Decuples of 1. 10. 100. &c, Barrels, must contain 1. 10. 100. &c, times as many Gallons as the single Digits contained: and also, that the

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Decuples of 8. 80. and 800. will contain 10. 100. &c, times as many Gallons as the single Digit 8. contained.

Now let us find an Answer to the following :

FIRST QUESTION.

How many Gallons are contained in 10. Barrels ?

It is evident by the Table, — — — — — that ^{Barrels.} 1. = ^{Gallons.} 34. Therefore, as there must be 10. times as many Gallons in 10. Barrels as are in 1 Barrel, — — — — — 10. = 340. the Answer.

SECOND QUESTION.

How many Gallons are contained in 87. Barrels ?

By the Table, 8. Barrels = 272. Gallons.

Therefore, 80. Barrels = 2720. Gallons.

And 7. Do. = 238. Do. Therefore,

Barrels 87. = 2958. Gallons.

THIRD QUESTION.

How many Gallons are contained in 4789 Barrels ?

By the Table, — — — — — ^{Barrels.} 4. = ^{Gallons.} 136.

Therefore, — — — — — 40. = 1360.

And, — — — — — 400. = 13600.

And, — — — — — 4000. = 136000.

Again, by the Table, 7. = 238.

Therefore, 70. = 2380.

And, 700. = 23800. - 700. = 23800.

Again, by the Table, 8. = 272.

Therefore, 80. = 2720. - 80. = 2720.

Again, by the Table, 9. = 306. - 9. = 306.

Therefore, Barrels 4789 = 162826. Gals.

The

The Operation by the Second Table is the same as by the First; and the only difficulty here, as well as there, consists in knowing how to place the Decimal Point properly.

FOURTH QUESTION.

How many Barrels are contained in 340. Gallons?

(Vide 1st Question.)

Gallons.		Barrels.
If 3. = .08823 5294 &c,	300. will equal	8.8235294 &c.
And, If 4. = 11764 7058 &c,	40. will equal	1.17647058 &c.
Which, with the trifling addition of	-	0.00000002 will give
		<u>Barrels 10.00000000 the Answer.</u>

FIFTH QUESTION.

How many Barrels are contained in 2958 Gallons?

(Vide 2d Question.)

Gallons.		Barrels.
2000.	=	58.82352941176 &c.
900.	=	26.47058823529
50.	=	1.47058823529
8.	=	0.23529411764
		Which, with adding only 0.0000000002 will give
<u>Therefore, Gallons 2958.</u>	=	<u>Barrels 87.0000000000 the Answer.</u>

SIXTH QUESTION.

How many Barrels are contained in 162826 Gallons?

(Vide 3d Question.)

Gallons.		Barrels.
100000.	=	2941.176470588 &c.
60000.	=	1764.705882352
2000.	=	58.823529411
800.	=	23.529411764
20.	=	0.588235294
6.	=	0.176470588
		Add only 0.000000003
<u>Gallons 162826.</u>	=	<u>Barrels 4789.000000000</u>

The

The preceding Questions and Process, it is presumed, will make the Utility of the preceding Tables, from XXI to XXVIII, perfectly obvious.

T A B L E XXIX.

THIS Table shews, by Inspection, the Diameter a Circle must be of to contain any Number of Wine Hogsheads, from 1 to 100, at One Foot in Depth.

It shews also, by Inspection, the Number of Cube Feet contained in each Hoghead.

T A B L E XXX.

THIS Table shews, by Inspection, the Diameter a Circle must be of to contain any given Number of Wine Gallons, not exceeding Thirty-one, at One Inch in Depth. It also shews, by Inspection, the Number of Cube Inches contained in each Gallon, and the Square Root of the Area of those Cube Inches.

T A B L E XXXI.

IT may be proper to observe, respecting this and the next following Table, that the Specific Gravity of the Metals, the Weight and Thickness of which are compared in them, differs considerably by the Accounts of various Authors; and this Difference probably arises from imperfect Modes of discovering the Specific Gravity, as well as from the real Difference in Weights arising from the Variety of Ways in which they are manufactured.

By the 31st Table—The Thickness that Cast Brasses, Cast Iron, Copper, or Lead, will nearly be of, at any Weight per Foot Square, expressed in the First Column on the Left-hand, is found by inspection—thus,

QUESTION.

What will be the Thickness of Lead, at Lb. 7 Weight to the Foot Square?

Rule.

Seek the Weight, in the First Perpendicular Column on the Left-hand; and at the Angle of Meeting, under the Title of the Metal, whose Weight is given, you will have the Answer.

Example.

At the top of Page 147, opposite Lb. 7, and under the Title Lead, is this Decimal .1184, the Answer; which denotes, that Lead of Lb. 7 to the Foot Square, will be .0184 more than 1-10th of an Inch Thick.

TABLE

TABLE XXXII.

BY this Table—The Weight, in Avoirdupoise Lbs. that Brass, Cast Iron, Copper, or Lead, will nearly be of, at any Thickness per Foot Square, which is expressed in the First perpendicular Column, is shewn, by inspection, thus—

QUESTION.

What will be the Weight of a Square Foot of Brass, which is 1-12th of an Inch in Thickness?

Rule.

Seek the Thickness in the First perpendicular Column on the Left-hand; and at the Angle of Meeting, under the Title of the Metal, whose Thickness is given, is the Answer required.

Example.

Against 1-12th of an Inch, in the First Column of this Table, and under the Title Brass, is Lb. 3.472 the Answer required.

It will be easy to discover by this Table, whether the Result given in Table XXXI is correct.—Thus,

QUESTION.

What will be the Weight of a Square Foot of Lead, at 0.1184 Inches in Thickness?

Rule.

Multiply the given Thickness above (as found by the Thirty-first Table, by the Weight of the same Metal) standing against 1 Inch Thickness in the Thirty-second Table, and the Product will be the Answer.

Example.

$0.1184 \times 59.113 = \text{Lb. } 6.9989792$ the Answer nearly,
it wanting only 0.0010208 of a Lb. to give the same Answer,

viz. 7.0000000 as is expressed in the former Table.

It is obvious, by the Solution of this Last Question, that these Tables may be reciprocally used to correct each other.

T A B L E XXXIII.

THIS Table supposes that Water boils at 212° of Heat only; but it may be seen in Dr. Watson's (the Bishop of Landaff) Chemistry, &c, that it will boil at from $205^{\circ}17$ to $213^{\circ}57$, according to the Pressure of the Atmospheric Air, as indicated by the Barometer, when it stands at from 26 to 31 Inches.

When this Table was first made, the Thermometer was not in general Use; and it was then the Custom of the Brewing Trade to mix certain parts of Boiling and Cold Water together, to produce a given Quantity at a medium Heat.

As a Rule for using the Table, and an Example, are printed at the Foot of it, no further Explanation will be wanted here.

T A B L E XXXIV.

THIS Table is unlimited respecting the Sum on which the Interest is required, and it will give the Interest of that Sum to any Degree of Exactness; for the Decimals, which are the Foundation of the Calculations, all recur or terminate.

It will be more particularly useful to those who can mentally convert the lower Denominations of English Coin into Decimals of a Pound Sterling, and the Reverse; and who can work by contracted Multiplication.

The middle Column consists of Decimals of a Pound Sterling, which are equal in Value to the Interest of One Pound, at L. 5 per Cent. per Annum, for the Number of Days against, and between which they are placed.

The Four First Columns from the Left-hand, by reference to the Fifth Column, shew the Number of Days, from either of the Four Quarter Days, to any One of the succeeding 365 Days.

The Four First Columns from the Right-hand, by reference to the Fifth, shew the Number of Days to either of the Four Quarter Days, from any One of the preceeding 365 Days.

Rule

Rule for using the Table.

Find the Number of Days for which the Interest is required ; Multiply the Principal Sum by as many of the Decimals placed against that Number of Days as are *requisite*, and the Product will be the Interest.

The *Requisite* Number of Decimals, if the Principal is from

L. 1	to	10	are	5
10	to	100	—	6
100	to	1000	—	7
1000	to	10000	—	8
10000	to	100000	—	9

100000 to 1000000 — 10 ; and, if more are required, they are easily obtained, as the Decimals in general circulate, and Periods (·) or Dots are placed over the circulating Parts.

FIRST QUESTION.

Required the Number of Days and Interest due on L. 262 16s. od., from Midsummer-Day to 12th November 1795 ?

Example.

From Midf. Day, to 12th Nov. is 141 Days ;

the Decimal opposite is — — 0.0193150

L. 262 16s. od. = L. 262.8 ; which reversed

for contracted Multiplication, is — 8.262

386300

115890

3863

1545

Answer 141 Days, and L. 5.07598 = L. 5 1s. 6¼d.

SECOND QUESTION.

Required the Number of Days, and Interest due on L. 1789 16s. 6d., from 4th January to Christmas-Day, 1795 ?

Example.

Example.

From 4th Jan. to Christmas-Day, is 355 Days;

the Decimal opposite is — — 0.0486301

L. 1789 16s. 6d. = L. 1789.825; which re-
versed, will be — — 528.9871

486301

340411

38904

4377

389

10

2

Answer 355 Days, and L. 87.0394 = L. 87 os. 9½d.

It is obvious, that One Day must be added; and the Decimal used which stands against the whole Number of Days, whenever the 29th of February is included in the Calculation, which can only happen in Leap Years; to find which, observe the following

Rule.

Divide the Year by Four, what is left shall be,

For Leap Year, 0. For past, 1. 2. or 3.

Thus, $1796 \div 4 = 449$ 0. remainder; therefore 1796 will be a Leap Year.

TABLE XXXV.

THIS Table shews each Year's Value of an House, an Utenfil in Trade, or any Article that originally cost One Pound, or any other given Sum, and that is supposed to decrease in Value uniformly each Year, until, in any given Number of Years, the Value is totally gone.

It will also shew each Year's Value of a Lease, &c, that originally cost One Pound, or any other given Sum, and that is supposed to decrease in Value uniformly each Year, for any Continuation of Time, not more than 100 Years; and, at the End of that Continuation, to remain of a given Value.

In the First Part of these Tables, the Continuation of the Values is only shewn for 100, 90, 80, 70, 61, 60, 50, 40, 31, and from thence regularly down

down to One Year: but the Value for any of the intervening Years may readily be found by means of the Supplementary Tables.

It will be seen by the following Problems, Rules, and Examples, for elucidating or shewing the various Uses of the Tables, that the Interest is supposed to be compound, and payable at the Rate of $2\frac{1}{2}$ per Cent. Half-yearly; and that the Deductions, in the Annual Values, are made at the End of each Year.

PROBLEM I.

What will be the Value of an House, &c, when 58 Years are unexpired of its Continuation, and for which L. 1 was given when the original Continuation was 60 Years?

Rule.

Seek the original Continuation at the Top of the Tables for 60 Years, and under that the unexpired Continuation; against the latter is the Value required.

Example.

Thus, in Page 168, is the original Continuation for 60 Years; and against 58 Years, the unexpired Continuation in that Table, is L. 0.99434, &c, = 19s. 10 $\frac{1}{2}$ d. the Value required.

PROBLEM II.

What is the present Value of an Utensil in Trade, for which L. 980 was originally given for a Continuation of 21 Years, 7 Years being elapsed? Therefore 14 Years remain.

Rule.

Seek (as before) the original Continuation, and under that the unexpired Continuation; Multiply the original Cost of the Utensil by the Decimals placed against the unexpired Continuation, and the Product will be the Answer.

Example.

Thus, Page 171 contains the original Continuation, viz. 21 Years, and against 14 Years are the Decimals .773215, &c, which being multiplied by L. 980 = L. 757.751, &c, the Value required.

PROBLEM III.

If L. 9872 16s. 9d. was given for the Lease of a House when 57 Years were unexpired, what is it worth now only 52 Years of the Continuation remain?

e

Rule.

Rule.

Seek the original Term in the supplementary Part of the Tables; Multiply the given Sum by the Decimals placed against the unexpired Term of Continuation, and the Product will be the Answer.

Example.

Thus—Under the Continuation for 57 Years, and against the unexpired Term 52 Years, is the Decimal .98215, &c, (the Value of L. 1 for 52 Years) which being multiplied by L. 9872.8375 = L. 9696.6237 the Answer.

PROBLEM IV.

If L. 1000 was given for the Continuation of 92 Years in a Lease, &c, what is its Value now only 46 Years of the Continuation remain?

Rule.

Seek the original Continuation in the supplementary Part of the Tables, and reserve the Decimal opposite the last Term (90 Years) in that Table.—Then seek for the Continuation of 90 Years, and under that, and opposite (to 46 Years) the Term for which the Value is required, is a Decimal, which being multiplied into the reserved one, and that Product into the Prime Cost (L. 1000) will give the Value required.

Example.

Under the Continuation for 92 Years, in Page 174,

and opposite to 90 Years, is the Decimal .99888, &c.

Under the Continuation for 90 Years, in Page 166,

and opposite to 46 Years, in Do. is the Decimal .90752, &c.

Then .99888, &c. \times .90752, &c. \times L. 1000 = L. 906.5076 the Answer required.

PROBLEM V.

What Annuity can be purchased with L. 1, to continue 31 Years? Interest being calculated at $2\frac{1}{2}$ per Cent. paid Half-yearly, and the Annuity as payable Annually.

Rule and Example.

Page 169 contains the Continuation for 31 Years.

Take

Take the Decimals standing against any one of the 31 Years in that Table: for instance, those against 20 Years, viz.

And divide them by 40 = $2\frac{1}{2}$ per Cent. thereon =

The Sum will be — — .80081 0048

Divide this Sum by 40 = $2\frac{1}{2}$ per Cent. thereon =

Disregard this last Sum — —

Bring down the Two above $2\frac{1}{2}$ per Cents. — as .02002 0251

and .02052 0757

And add to them the difference between the Decimals standing against 20 Years in the Table,

viz. — — — .80081 0048

And those standing against 19 Years in the Table, viz. — — .77675 101

Difference — — .02405 9038

The Sum of these Additions, viz. — L. 0.06460 0046
is the Annuity required.

N. B. To find what Annuity could be purchased with any other Sum than L. 1 for 31 Years—Multiply that Sum by L. 0.06460, &c, and the Product will be the Answer.

PROBLEM VI.

Suppose L. 1400 is expended in constructing an Utensil which will be uniformly wearing out each Year for Ten Years, at which time its Value will be only L. 400.

What should be the Value of such Utensil at the Expiration of each of the Ten Years, reckoning Money (as in all the foregoing Problems) at $2\frac{1}{2}$ per Cent. compound Interest, paid Half-yearly?

Rule.

From the Prime Cost — L. 1400
Deduct the Permanent Value — 400

Multiply the Remainder, or variable part L. 1000, by the Decimals against each Year in the Continuation Table, for Ten Years, (in page 173,) and to each Product add the permanent Value L. 400, and the respective Sums thereby produced will be each Year's Value.

Examples.

EXPLANATION AND USE

Examples.

Thus, in the Continuation Table for Ten Years.

	Yrs.	L.	L.	L.	L.	L.	
The Value of L. 1, for	9 is	.92072 7	×	1000	=	920.727	+ 400 = 1320.727
	8 is	.83744 09	×	do.	=	837.440	+ do. = 1237.440
	7 is	.74993 8	×	do.	=	749.938	+ do. = 1149.938
	6 is	.65800 6	×	do.	=	658.006	+ do. = 1058.006
	5 is	.56141 9	×	do.	=	561.419	+ do. = 961.419
	4 is	.45994 3	×	do.	=	459.943	+ do. = 859.943
	3 is	.35333 0	×	do.	=	353.330	+ do. = 753.330
	2 is	.24131 9	×	do.	=	241.319	+ do. = 641.319
	1 is	.12363 8	×	do.	=	123.638	+ do. = 523.638

Answers.

PROBLEM VII.

For the Insurance of a certain Sum, on Stock, or Buildings, for 7 Years, I paid for Premium, Deposit, Duty, Stamps, Policy, &c, L. 49 18s. 6d. = L. 49.925. What Value should I put on this Sum when 6, 5, 4, 3, 2, or 1 Years of the Insurance remain unexpired?

Rule.

Seek the Continuation Table for the whole Number of Years for which the Insurance is made; Multiply the Total Sum paid, by the Decimals placed against each Number of Years respectively, for which the Value is required, and the Product will be the Answer.

Example.

Thus, in Page 173, under 7 Years,

If 6 Years are unexpired, the Value will be,

Answers.

$$\text{L. } 49.925 \times .87741 = \text{L. } 43.80469 = \text{L. } 43 \text{ 16s. 1d.}$$

If 5 Years Do. Do.

$$\text{L. } 49.925 \times .74862 = \text{L. } 37.3748 = \text{L. } 37 \text{ 7s. 6d.}$$

If 4 Years Do. Do.

$$\text{L. } 49.925 \times .61331 \text{ ferè} = \text{L. } 30.6195 = \text{L. } 30 \text{ 12s. } 4\frac{1}{2}\text{d.}$$

If 3 Years Do. Do.

$$\text{L. } 49.925 \times .471146 \text{ do.} = \text{L. } 23.5219 = \text{L. } 23 \text{ 10s. } 5\frac{1}{2}\text{d.}$$

If 2 Years Do. Do.

$$\text{L. } 49.925 \times .321786 = \text{L. } 16.0651 = \text{L. } 16 \text{ 1s. } 3\frac{1}{2}\text{d.}$$

If 1 Year Do. Do.

$$\text{L. } 49.925 \times .164865 = \text{L. } 8.2309 = \text{L. } 8 \text{ 4s. } 7\frac{1}{2}\text{d.}$$

A Leafe,

A Lease, Utenfil, or other Article, that originally cost a given Sum, and was then supposed capable of continuing serviceable a certain Number of Years, may (by undergoing a thorough Repair, or in other Ways) become of more Value, for the Remainder of the Term, than the First Continuation pointed out—Therefore it will be useful to shew how such additional Value should be calculated. Thus—An Utenfil, &c, that was supposed to last 21 Years, and to have originally cost L. 980, and that continued uniformly decreasing in Value for 7 Years of the 21, would, at the End of the 7th Year, (or when 14 Years were to come), as in Problem II, be worth L. 757.751, &c. Now, if at this period, L. 250 is laid out in Repairs, without having any Renewal of the Lease, or longer Continuation of the Utenfil in Use, it should at that Time (viz. when 14 Years were remaining for it to continue in Use) be worth L. 757.751 + L. 250, the Sum laid out = together L. 1007.751. The Table for a 21 Years Continuation now becomes no further serviceable, and Recourse must be had to the Table of Continuation for 14 Years, in Page 172, by which it will be found that,

The Value for 13 Years will be L. 1007.751 \times .94919, &c, = L. 956.547.

The Value for 12 Years will be L. 1007.751 \times .89582, &c, = L. 902.7626, &c. &c. &c.

REMARKS.

In constructing this 35th Table, I have supposed the prime Cost of the Utenfil, &c, L. 1. On this Sum I have also supposed it reasonable the Owner of it should charge $2\frac{1}{2}$ per Cent. compound Interest, half-yearly, for the Use of his Money; and which for the first Half-year will be .025; this being added to L. 1, makes L. 1.025, for the Money the Utenfil will have stood in at the End of the first Half-year. On this Sum, Half a Year's Interest, at 5 per Cent. will be .025625, which being added to L. 1.025, will make 1.050625 for the Cost of the Utenfil at the End of the First Year. But in the Course of this Year, it may be supposed, the Owner has been benefited a certain Sum by the Use of it, and that he will profit by using it the same Sum every Year that it lasts; which, consequently, may be compared to a man who receives yearly such an Annuity as might be purchased with L. 1, to last as long as the Utenfil will last. If, therefore, we subtract from the Cost of the Utenfil, at the End of the First Year, this Annuity, we shall have the Value which he ought to put on it at the Beginning of the second Year.

f

In

In like manner, if to the Value of the Utenfil, at the Beginning of the second Year, two Half-years' compound Interest be added, and the same Annuity taken from the Sum, we shall have the Value which is to be put on it at the Beginning of the third Year; and so on, as long as the Thing is computed to last.

It is obvious from what has been said above, that this Table is likewise useful in calculating Annuities, on the same Principle; namely, on a Supposition that the Rate of Interest is L. 5 per Cent., and paid half-yearly, while the Annuity is paid annually. Also, to the Valuation of Leases, Insurances, and many other Purposes.

The Values of Leases, Insurances, &c, are evidently calculated in the same Manner that the Value of an Utenfil, which wears out uniformly, is calculated; and it is as evident from the Construction of the Table given above, that if the Value of the Utenfil, at the Beginning of the First Year, be taken in that Part of the Table where it is to last as long as the Annuity is to be purchased for, Half a Year's Interest on that Value, at the Rate of L. 5 per Cent. added to it, another Half-year's Interest on this Sum added to it; and the Value of the Utenfil, at the Beginning of the second Year, taken from the last Sum, the Remainder will be the Annuity which may be purchased for L. 1, to last as long as the Utenfil is supposed to last in the Table. And if the Annuity, which can be purchased with L. 1, be multiplied by any Number of Pounds, the Product will be the Annuity which may be purchased with that number of Pounds.

It is not *necessary* to begin this Calculation for finding the Annuity with the Valuation of the Utenfil at the Beginning of the First Year; any other Year's Value of it will give the same Result; but the Operation is rather more simple, if the First Year's Value be taken, than it will be with any other.

TABLE

TABLE XXXVI.

BY *the present Value of the Improved Rent of a Lease*, as it is expressed in the Title to this Table, is meant the Surplus of Annual Rent, that is, or is supposed to be received of a Tenant, after deducting the Annual Rent paid to the Landlord, and every other real or reasonable Disbursement.

E. g. If a Tenant at will pays L. 60 net per Annum for a House, and agrees with the Lessee to keep it in Repair, and to pay all Parliamentary and Parochial Taxes; and the Lessee pays the Ground Landlord L. 40 per Annum for a Lease, of which 20 Years are unexpired, *the present Value of the Improved Rent of this Lease*, will be the present Value of the Annual Rent received of the Tenant, more than is paid to the Landlord; upon a Supposition too, that the House, at the time of Valuation, will be worth that net Excess of Rent during the whole Term of the Lease.

But it frequently happens that there are many Disbursements on the Part of the Lessee, in Addition to the Rent paid to the Lessor; therefore, whatever these are known, or can reasonably be imagined to amount to, must, in Conjunction with the Landlord's Rent, be deducted from the Rent received of the Tenant previous to entering on the Valuation of the Improved Rent. And also, if any Allowances, (as Land Tax, &c.) are made by the Landlord to the Lessee, they must be deducted from the Landlord's Rent, previous to the deduction of his from the Rent paid by the Tenant to the Lessee.

A great Variety of proper Deductions may arise; and as they should always be taken into the Account, either in purchasing or valuing of Leases, a supposititious Enumeration of, at least, the principal Part of them is here attempted, that they may be more readily produced, when wanted, than a momentary Recollection can be supposed to admit of. Thus—

RECEIPTS.

RECEIPTS.

Annual Rent received of Tenant, — — — L. 60

Annual Disbursements.

Rent paid to Landlord,	—	L. 30	0	0
Land Tax allowed by him,	—	2	0	0
				L. 28 0 0
Land Tax allowed to Tenant,	—	—	3	0 0
Sewers, Do.	—	—	1	0 0
Paving Tax, Do.	—	—	1	0 0
Water Tax, Do.	—	—	1	5 0
Annual Loss upon the original Cost of making or affixing				
a 21 Years' Lease,	—	—	0	3 0
Do. By bad Tenants, 1-10th part of Rent,	—	—	6	0 0
Do. collecting Charges, Book-keeping, &c, at 6d. per L. on				
Tenant's Rent,	—	—	1	10 0
Do. Repairs, { Bricklayer, Plumber,				
{ Carpenter, Glazier,				
{ Painter, Blacksmith, &c, }	—	—	5	0 0
Do. Insurance,	—	—	2	0 0
				L. 48 18 0

In addition to the above, other adventitious Expenditures may arise, from great and unforeseen Dilapidations, Party Walls, the Loss of Rent if the House was burned down, in which Case the Lessee is bound by Law to pay the Rent to the Landlord whilst the House is rebuilding, although the Lessee cannot exact it of the Tenant without a special Agreement. Therefore (for these mischiefs in embryo) it will not surely be thought too much to deduct per Annum,

2	2	0
<hr/>		
L. 51		
<hr/>		
L. 9		

Improved Rent, —

QUESTION.

Now, if it is required to know what the present Value of this, or any other improved Rent obtained by the same Means, is, observe that it is now reduced

duced to a State equivalent to an Annuity for any given Number of Years, say 21; then the Question is, What is the present Value of this Lease or Annuity for 21 Years, at L. 9 per Annum, compound Interest?—The Interest being supposed to be paid half-yearly, and the Annuity annually.

Rule.

Seek the number of Years to come, or unexpired, of the Lease, or Annuity, in the First, Third, or Fifth Columns of the Table; Multiply the Improved Rent, or Annuity, by the Figures in the Second, Fourth, or Sixth Columns, opposite the Number of Years found as above, and the Product will be the present Value.

Example.

Against 21 Years, in the First Column of the Table, is L. 12.7509169, &c. Then, per Rule, $L. 9 \times L. 12.7509, \&c. = L. 114.7582 = L. 114 \text{ } 15s. \text{ } 2d.$ the Answer.

From a due consideration of the foregoing Valuation of the Improved Rent on a 21 Years Lease, the following important Observations naturally occur.—Although the Rent, stated above to be received from the Tenant, exceeds that paid to the Landlord, by L. 32 per Annum; yet, when reasonable Deductions have followed, this apparently valuable Lease dwindles away to be worth only L. 114 15s. 2d. ! Therefore every prudent Man will look very circumspectly at Disbursements, before he proceeds to purchase Leases of Houses; more particularly when it is considered that additional Taxes, Repairs, Dilapidations, &c, may arise, as well as the more serious adventitious Loss by Fire.

Special to the Association: The following is a summary of the work of the American Medical Association during the year 1912. The Association has been very active in its efforts to improve the medical profession and to protect the public interest. It has held many conferences and has published many reports. It has also been successful in its efforts to secure the passage of certain laws which will benefit the medical profession and the public.

One of the most important of these laws is the law which provides for the regulation of the medical profession. This law will require that all physicians who wish to practice in the United States must first obtain a license from the State in which they wish to practice. This will help to protect the public from unqualified practitioners and will also help to improve the standard of the medical profession.

Another important law is the law which provides for the regulation of the medical education of physicians. This law will require that all medical schools must meet certain standards in order to be able to grant degrees to their graduates. This will help to ensure that all physicians who graduate from medical schools are well qualified to practice medicine.

The American Medical Association has also been very active in its efforts to improve the medical profession. It has held many conferences and has published many reports. It has also been successful in its efforts to secure the passage of certain laws which will benefit the medical profession and the public. The Association has also been successful in its efforts to improve the medical education of physicians. It has also been successful in its efforts to improve the medical profession. The Association has also been successful in its efforts to improve the medical profession. The Association has also been successful in its efforts to improve the medical profession.

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T A B L E I.

Shewing the Value of a QUARTER of MALT, CORN, GRAIN, &c,
at any Weight, from Lb. 240, to Lb. 330 per Quarter, compared with a
Quarter at any given Weight and Price:

Supposing the Difference of Value, to be in Proportion to the Difference of
Weight only.

T A B L E

Showing the Value of a QUARTER of MALT CORN GRAIN &c
at any Weight from 1 lb. to 10 lbs per Quarter compared with a
Quarter at any given Weight and Price.

Supposing the Difference of Value to be in Proportion to the Difference of
Weight only.

Lb.	Lbs. 240 at 6d.	Lbs. 242 at 6d.	Lbs. 244 at 6d.	Lbs. 246 at 6d.	Lbs. 248 at 6d.
Lb.	£	£	£	£	£
240	. 025	. 02479 33884	. 02459 01639	. 02439	. 02419 35483
2	. 02520 83	. 025	. 02479 50819	. 02459 349	. 02439 51612
4	. 02541 6	. 02520 66115	. 025	. 02479 67	. 02459 67742
6	. 02562 5	. 02541 32231	. 02520 49181	. 025	. 02479 83871
8	. 02583	. 02561 98347	. 02540 98361	. 02520 3	. 025
250	. 02604 16	. 02582 64462	. 02561 47541	. 02540 650	. 02520 16129
2	. 02625	. 02603 30578	. 02581 96722	. 02560 97	. 02540 32258
4	. 02645 83	. 02623 96694	. 02602 45902	. 02581 300	. 02560 48387
6	. 026	. 02644 62810	. 02622 95082	. 02601 6	. 02580 64516
8	. 02687 5	. 02665 28925	. 02643 44263	. 02621 951	. 02600 80645
260	. 02708 3	. 02685 95041	. 02663 93443	. 02642 27	. 02620 96774
2	. 02729 16	. 02706 61157	. 02684 42623	. 02662 601	. 02641 12903
4	. 0275	. 027	. 02704 91804	. 02682 9	. 02661 29033
6	. 02770 83	. 02747 93388	. 02725 40984	. 02703 252	. 02681 45162
8	. 02791 6	. 02768 59504	. 02745 90164	. 02723 57	. 02701 61291
270	. 02812 5	. 02789 25619	. 02766 39344	. 02743 992	. 02721 77420
2	. 0283	. 02809 91735	. 02786 88524	. 02764 2	. 02741 93549
4	. 02854 16	. 02830 57851	. 02807 37704	. 02784 552	. 02762 09678
6	. 02875	. 02851 23966	. 02827 86885	. 02804 87	. 02782 25807
8	. 02895 83	. 02871 90082	. 02848 36065	. 02825 203	. 02802 41936
280	. 02916	. 02892 56198	. 02868 85245	. 02845 5	. 02822 58065
2	. 02937 5	. 02913 22314	. 02889 34426	. 02865 853	. 02842 74194
4	. 02958 3	. 02933 88429	. 02909 83606	. 02886 17	. 02862 90324
6	. 02979 16	. 02954	. 02930 32786	. 02906 504	. 02883 06453
8	. 03	. 02975 20661	. 02950 81966	. 02926 8	. 02903 22582
290	. 03020 83	. 02995 86776	. 02971 31147	. 02947 154	. 02923 38711
2	. 03041 6	. 03016 52892	. 02991 80327	. 02967 47	. 02943 54840
4	. 03062 5	. 03037 19008	. 03012 29507	. 02987 804	. 02963 70969
6	. 03083	. 03057 85123	. 03032 78688	. 03008 1	. 02983 87098
8	. 03104 16	. 03078 51239	. 03053 27868	. 03028 455	. 03004 03227
300	. 03125	. 03099 17355	. 03073 77049	. 03048 78	. 03024 19356
2	. 03145 83	. 03119 83471	. 03094 26229	. 03069 105	. 03044 35485
4	. 0316	. 03140 49586	. 03114 75409	. 03089 4	. 03064 51615
6	. 03187 5	. 03161 15702	. 03135 24590	. 03109 756	. 03084 67744
8	. 03208 3	. 0318	. 03155 73770	. 03130 08	. 03104 83873
310	. 03229 16	. 03202 47933	. 03176 22950	. 03150 406	. 03125
2	. 0325	. 03223 14049	. 03196 72130	. 03170 7	. 03145 16131
4	. 03270 83	. 03243 80165	. 03217 21311	. 03191 056	. 03165 32260
6	. 03291 6	. 03264 46280	. 03237 70491	. 03211 38	. 03185 48389
8	. 03312 5	. 03285 12396	. 03258 19671	. 03231 707	. 03205 64518
320	. 03	. 03305 78512	. 03278 68852	. 03252	. 03225 80647
2	. 03354 16	. 03326 44628	. 03299 18033	. 03272 357	. 03245 96776
4	. 03375	. 03347 10743	. 03319 67213	. 03292 68	. 03266 12905
6	. 03395 83	. 03367 76859	. 03340 16394	. 03313 008	. 03286 29034
8	. 03416	. 03388 42975	. 03360 65574	. 03	. 03306 45164
330	. 03437 5	. 03409	. 03381 14754	. 03353 658	. 03326 61293

	Lbs. 250 at 6d.	Lbs. 252 at 6d.	Lbs. 254 at 6d.	Lbs. 256 at 6d.	Lbs. 258 at 6d.
Lb.	£	£	£	£	£
240	. 024	. 02380 95238	. 02362 20472	. 02343 75	. 02325 58139
2	. 0242	. 02400 79365	. 02381 88976	. 02363 28125	. 02344 96124
4	. 0244	. 02420 63492	. 02401 57480	. 02382 8125	. 02364 34108
6	. 0246	. 02440 47618	. 02421 25984	. 02402 34375	. 02383 72092
8	. 0248	. 02460 31746	. 02440 94488	. 02421 875	. 02403 10076
250	. 025	. 02480 15872	. 02460 62991	. 02441 40625	. 02422 48060
2	. 0252	. 025	. 02480 31495	. 02460 9375	. 02441 86044
4	. 0254	. 02519 84126	. 025	. 02480 46875	. 02461 24028
6	. 0256	. 02539 68253	. 02519 68503	. 025	. 02480 62012
8	. 0258	. 02559 52380	. 02539 37007	. 02519 53125	. 025
260	. 026	. 02579 36507	. 02559 05511	. 02539 0625	. 02519 37984
2	. 0262	. 02599 20634	. 02578 74015	. 02558 59375	. 02538 75969
4	. 0264	. 02619 04761	. 02598 42519	. 02578 125	. 02558 13953
6	. 0266	. 02638	. 02618 11023	. 02597 65625	. 02577 51938
8	. 0268	. 02658 73015	. 02637 79527	. 02617 1875	. 02596 89922
270	. 027	. 02678 57142	. 02657 48031	. 02636 71875	. 02616 27907
2	. 0272	. 02698 41269	. 02677 16535	. 02656 25	. 02635 65891
4	. 0274	. 02718 25396	. 02696 85039	. 02675 78125	. 02655 03876
6	. 0276	. 02738 09523	. 02716 53542	. 02695 3125	. 02674 41860
8	. 0278	. 02757 93650	. 02736 22046	. 02714 84375	. 02693 79845
280	. 028	. 027	. 02755 90550	. 02734 375	. 02713 17830
2	. 0282	. 02797 61904	. 02775 59054	. 02753 90625	. 02732 55815
4	. 0284	. 02817 46031	. 02795 27558	. 02773 4375	. 02751 93799
6	. 0286	. 02837 30158	. 02814 96062	. 02792 96875	. 02771 31784
8	. 0288	. 02857 14	. 02834 64566	. 02812 5	. 02790 69768
290	. 029	. 02876 98412	. 02854 33070	. 02832 03125	. 02810 07753
2	. 0292	. 02896 82539	. 02874 01574	. 02851 5625	. 02829 45737
4	. 0294	. 02916	. 02893 70078	. 02871 09375	. 02848 83722
6	. 0296	. 02936 50793	. 02913 38581	. 02890 625	. 02868 21706
8	. 0298	. 02956 34920	. 02933 07085	. 02910 15625	. 02887 59690
300	. 03	. 02976 19047	. 02952 75589	. 02929 6875	. 02906 97674
2	. 0302	. 02996 03174	. 02972 44093	. 02949 21875	. 02926 35659
4	. 0304	. 03015 87301	. 02992 12597	. 02968 75	. 02945 73643
6	. 0306	. 03035 71428	. 03011 81101	. 02988 28125	. 02965 11628
8	. 0308	. 0305	. 03031 49605	. 03007 8125	. 02984 49612
310	. 031	. 03075 39682	. 03051 18109	. 03027 34375	. 03003 87597
2	. 0312	. 03095 23809	. 03070 86613	. 03046 875	. 03023 25581
4	. 0314	. 03115 07936	. 03090 55117	. 03066 40625	. 03042 63566
6	. 0316	. 03134 92063	. 03110 23620	. 03085 9375	. 03062 01550
8	. 0318	. 03154 76190	. 03129 92124	. 03105 46875	. 03081 39535
320	. 032	. 03174 60317	. 03149 60628	. 03125	. 03100 77520
2	. 0322	. 03194	. 03169 29132	. 03144 53125	. 03120 15504
4	. 0324	. 03214 2857	. 03188 97636	. 03164 0625	. 03139 53489
6	. 0326	. 03234 12698	. 03208 66140	. 03183 59375	. 03158 91473
8	. 0328	. 03253 96825	. 03228 34644	. 03203 125	. 03178 29458
330	. 033	. 03273 80952	. 03248 03148	. 03222 65625	. 03197 67442

Lb.	Lbs. 260 at 6d. £	Lbs. 262 at 6d. £	Lbs. 264 at 6d. £	Lbs. 266 at 6d. £	Lbs. 268 at 6d. £
240	. 02307 69	. 02290 07634	. 0227	. 02255 63910	. 02238 80597
2	. 02326 92307	. 02309 16031	. 02291 6	. 02274 43609	. 02257 46269
4	. 02346 1538	. 02328 24427	. 02310 6	. 02293 23308	. 02276 11940
6	. 02365 38461	. 02347 32824	. 02329 54	. 02312 03007	. 02294 77612
8	. 02384 615	. 02366 41221	. 02348	. 02330 82707	. 02313 43284
250	. 02403 84615	. 02385 49618	. 02367 42	. 02349 62406	. 02332 08955
2	. 02423 0769	. 02404 58015	. 02386 3	. 02368 42105	. 02350 74627
4	. 02442 30769	. 02423 66412	. 02405 30	. 02387 21804	. 02369 40298
6	. 02461 538	. 02442 74809	. 024	. 02406 01504	. 02388 05970
8	. 02480 76923	. 02461 83206	. 02443 18	. 02424 81203	. 02406 71642
260	. 025	. 02480 91603	. 02462 1	. 02443 60902	. 02425 37313
2	. 02519 23076	. 025	. 02481 06	. 02462 40601	. 02444 02985
4	. 02538 461	. 02519 08396	. 025	. 02481 20301	. 02462 68657
6	. 02557 69230	. 02538 16794	. 02518 93	. 025	. 02481 34328
8	. 02576 9230	. 02557 25190	. 02537 8	. 02518 79699	. 025
270	. 02596 15384	. 02576 33587	. 02556 81	. 02537 59398	. 02518 65672
2	. 02615 384	. 02595 41984	. 0257	. 02556 39098	. 02537 31343
4	. 02634 61538	. 02614 50381	. 02594 69	. 02575 18797	. 02555 97015
6	. 02653 8461	. 02633 58778	. 02613 6	. 02593 98497	. 02574 62687
8	. 02673 07692	. 02652 67175	. 02632 57	. 02612 78196	. 02593 28358
280	. 02692 307	. 02671 75572	. 02651	. 02631 57895	. 02611 94030
2	. 02711 53846	. 02690 83969	. 02670 45	. 02650 37594	. 02630 59701
4	. 02730 7692	. 02709 92366	. 02689 3	. 02669 17294	. 02649 25373
6	. 0275	. 02729 00763	. 02708 3	. 02687 96992	. 02667 91045
8	. 02769 230	. 02748 09160	. 027	. 02706 76692	. 02686 56716
290	. 02788 46153	. 02767 17557	. 02746 21	. 02725 56391	. 02705 22388
2	. 02807 6923	. 02786 25954	. 02765 1	. 02744 36090	. 02723 88060
4	. 02826 92307	. 02805 34351	. 02784 09	. 02763 15789	. 02742 53731
6	. 02846 153	. 02824 42747	. 02803	. 02781 95489	. 02761 19403
8	. 02865 38461	. 02843 51145	. 02821 96	. 02800 75188	. 02779 85075
300	. 02884 6153	. 02862 59541	. 02840 9	. 02819 54887	. 02798 50746
2	. 02903 84615	. 02881 67938	. 02859 84	. 02838 34586	. 02817 16418
4	. 02923 076	. 02900 76335	. 0287	. 02857 14286	. 02835 82089
6	. 02942 30769	. 02919 84732	. 02897 72	. 02875 93985	. 02854 47761
8	. 02961 5384	. 02938 93129	. 02916	. 02894 73684	. 02873 13433
310	. 02980 76923	. 02958 01526	. 02935 60	. 02913 53383	. 02891 79104
2	. 03	. 02977 09923	. 02954	. 02932 33083	. 02910 44776
4	. 03019 23076	. 02996 18320	. 02973 48	. 02951 12782	. 02929 10448
6	. 03038 4615	. 03015 26717	. 02992 4	. 02969 92481	. 02947 76119
8	. 03057 69230	. 03034 35114	. 03011 36	. 02988 72180	. 02966 41791
320	. 03076 92	. 03053 43511	. 03	. 03007 51880	. 02985 07463
2	. 03096 15384	. 03072 51908	. 03049 24	. 03026 31579	. 03003 73134
4	. 03115 3846	. 03091 60305	. 03068 1	. 03045 11278	. 03022 38806
6	. 03134 61538	. 03110 68702	. 03087 12	. 03063 90977	. 03041 04478
8	. 03153 846	. 03129 77099	. 03106	. 03082 70677	. 03059 70149
330	. 03173 07692	. 03148 85495	. 03125	. 03101 50376	. 03078 35821

Lb.	Lbs. 270 at 6d.	Lbs. 272 at 6d.	Lbs. 274 at 6d.	Lbs. 276 at 6d.	Lbs. 278 at 6d.
Lb.	£	£	£	£	£
240	.02	.02205 88235	.02189 781	.02173 91304	.02158 27338
2	.02240 7	.02224 26470	.02208 02919	.02192 02898	.02176 25899
4	.02259 2	.02242 64706	.02226 27737	.02210 14493	.02194 24460
6	.0227	.02261 02941	.02244 52554	.02228 26087	.02212 23021
8	.02296	.02279 41176	.02262 77372	.02246 37681	.02230 21583
250	.02314 8	.02297 79412	.02281 02189	.02264 49275	.02248 20144
2	.023	.02316 17647	.02299 27007	.02282 60869	.02266 18706
4	.02351 8	.02334 55882	.02317 51824	.02300 72464	.02284 17267
6	.02370	.02352 94117	.02335 76642	.02318 84058	.02302 15828
8	.0238	.02371 32353	.02354 01459	.02336 95652	.02320 14389
260	.02407	.02389 70588	.02372 26277	.02355 07246	.02338 12950
2	.02425 9	.02408 08823	.02390 51094	.02373 18841	.02356 11511
4	.024	.02426 47058	.02408 75912	.02391 30435	.02374 10072
6	.02462 9	.02444 85294	.02427 00729	.02409 42029	.02392 08633
8	.02481	.02463 23529	.02445 25547	.02427 53623	.02410 07194
270	.025	.02481 61764	.02463 50364	.02445 65217	.02428 05755
2	.02518 5	.025	.02481 75182	.02463 76812	.02446 04316
4	.02537 0	.02518 38235	.025	.02481 88406	.02464 02878
6	.025	.02536 76471	.02518 24817	.025	.02482 01439
8	.02574 0	.02555 14706	.02536 49635	.02518 11594	.025
280	.0259	.02573 52942	.02554 74452	.02536 23188	.02517 98561
2	.0261	.02591 91177	.02572 99270	.02554 34783	.02535 97122
4	.02629	.02610 29412	.02591 24087	.02572 46377	.02553 95683
6	.02648 i	.02628 67647	.02609 48905	.02590 57971	.02571 94245
8	.026	.02647 05882	.02627 73722	.02608 69565	.02589 92806
290	.02685 i	.02665 44117	.02645 98540	.02626 81159	.02607 91367
2	.02703	.02683 82353	.02664 23357	.02644 92754	.02625 89928
4	.0272	.02702 20589	.02682 48175	.02663 04348	.02643 88489
6	.02740	.02720 58824	.02700 72992	.02681 15942	.02661 87050
8	.02759 2	.02738 97059	.02718 97810	.02699 27536	.02679 85611
300	.027	.02757 35295	.02737 22627	.02717 39130	.02697 84173
2	.02796 2	.02775 73530	.02755 47445	.02735 50725	.02715 82734
4	.02814	.02794 11765	.02773 72262	.02753 62319	.02733 81295
6	.0283	.02812 5	.02791 97080	.02771 73913	.02751 79856
8	.02851	.02830 88235	.02810 21897	.02789 85507	.02769 78417
310	.02870 3	.02849 26471	.02828 46715	.02807 97101	.02787 76978
2	.028	.02867 64706	.02846 71532	.02826 08696	.02805 75540
4	.02907 4	.02886 02941	.02864 96350	.02844 20290	.02823 74101
6	.02925	.02904 41176	.02883 21167	.02862 31884	.02841 72662
8	.0294	.02922 79412	.02901 45985	.02880 43478	.02859 71223
320	.0296	.02941 17647	.02919 70802	.02898 55072	.02877 69784
2	.02981 4	.02959 55882	.02937 95620	.02916	.02895 68345
4	.03	.02977 94118	.02956 20437	.02934 78261	.02913 66906
6	.03018 5	.02996 32353	.02974 45255	.02952 89855	.02931 65468
8	.03037	.03014 70588	.02992 70072	.02971 01449	.02949 64029
330	.0305	.03033 08823	.03010 94890	.02989 13043	.02967 62590

Lb.	Lbs. 280 at 6d.	Lbs. 282 at 6d.	Lbs. 284 at 6d.	Lbs. 286 at 6d.	Lbs. 288 at 6d.
Lb.	£	£	£	£	£
240	.02142 857	.02127 65957	.02112 67606	.02097 9	.02083
2	.02160 71428	.02145 39007	.02130 28169	.02115 3846	.02100 694
4	.02178 57142	.02163 12057	.02147 88732	.02132 867	.02118 05
6	.02196 42857	.02180 85106	.02165 49296	.02150 3496	.02135 416
8	.02214 2857	.02198 58156	.02183 09859	.02167 83	.02152 7
250	.02232 14285	.02216 31206	.02200 70423	.02185 3146	.02170 138
2	.0225	.02234 04255	.02218 30986	.02202 797	.02187 5
4	.02267 85714	.02251 77305	.02235 91549	.02220 2797	.02204 861
6	.02285 71428	.02269 50355	.02253 52113	.02237 76	.02
8	.02303 57142	.02287 23404	.02271 12676	.02255 2447	.02239 583
260	.02321 42857	.02304 96454	.02288 73239	.0227	.02256 94
2	.02339 28571	.02322 69503	.02306 33803	.02290 2097	.02274 305
4	.02357 1428	.02340 42553	.02323 94366	.02307 69	.02291 6
6	.02375	.02358 15603	.02341 54930	.02325 1748	.02309 027
8	.02392 85714	.02375 88652	.02359 15493	.02342 657	.02326 38
270	.02410 71428	.02393 61702	.02376 76056	.02360 1398	.02343 75
2	.02428 571	.02411 34752	.02394 36620	.02377 62	.02361
4	.02446 42857	.02429 07801	.02411 97183	.02395 1048	.02378 472
6	.02464 28571	.02446 80851	.02429 57746	.02412 587	.02395 83
8	.02482 14285	.02464 53901	.02447 18310	.02430 0699	.02413 194
280	.025	.02482 26950	.02464 78873	.02447 55	.02430 5
2	.02517 85714	.025	.02482 39437	.02465 0349	.02447 916
4	.02535 71428	.02517 73050	.025	.02482 517	.02465 27
6	.02553 57143	.02535 46099	.02517 60563	.025	.02482 638
8	.02571 428	.02553 19149	.02535 21127	.02517 48	.025
290	.02589 28571	.02570 92199	.02552 81690	.02534 9650	.02517 361
2	.02607 14285	.02588 65248	.02570 42254	.02552 447	.02534 72
4	.02625	.02606 38298	.02588 02817	.02569 9300	.02552 083
6	.02642 8571	.02624 11347	.02605 63380	.02587 41	.02569 4
8	.02660 71428	.02641 84397	.02623 23944	.02604 8951	.02586 805
300	.02678 57142	.02659 57447	.02640 84507	.02622 377	.02604 16
2	.02696 42856	.02677 30496	.02658 45070	.02639 8601	.02621 527
4	.02714 285	.02695 03546	.02676 05634	.02657 3426	.02638
6	.02732 14285	.02712 76596	.02693 66197	.02674 8251	.02656 25
8	.0275	.02730 49645	.02711 26761	.02692 307	.02673 61
310	.02767 85714	.02748 22695	.02728 87324	.02709 7902	.02690 972
2	.02785 7142	.02765 95745	.02746 47887	.027	.02708 3
4	.02803 57142	.02783 68794	.02764 08451	.02744 7552	.02725 694
6	.02821 42857	.02801 41844	.02781 69014	.02762 237	.02743 05
8	.02839 28571	.02819 14894	.02799 29577	.02779 7202	.02760 416
320	.02857 1428	.02836 87943	.02816 90141	.02797 20	.027
2	.02875	.02854 60993	.02834 50704	.02814 6853	.02795 138
4	.02892 85714	.02872 34042	.02852 11268	.02832 167	.02812 5
6	.02910 71428	.02890 07091	.02869 71831	.02849 6503	.02829 861
8	.02928 5714	.02907 80142	.02887 32394	.02867 13	.02847 2
330	.02946 42857	.02925 53191	.02904 92958	.02884 6153	.02864 583

	Lbs. 290 at 6d.	Lbs. 292 at 6d.	Lbs. 294 at 6d.	Lbs. 296 at 6d.	Lbs. 298 at 6d.
Lb.	£	£	£	£	£
240	. 02068 96551	. 02034 7945	. 02040 81632	. 02027	. 02013 42282
2	. 02086 20689	. 02071 91781	. 02057 82313	. 02043 918	. 02030 20134
4	. 02103 44827	. 02089 04110	. 02074 82993	. 02060 81	. 02046 97987
6	. 02120 68965	. 02106 16439	. 02091 83673	. 02077 702	. 02063 75839
8	. 02137 93103	. 02123 28767	. 02108 84354	. 02094 5	. 02080 53691
250	. 02155 17241	. 02140 41196	. 02125 85034	. 02111 486	. 02097 31544
2	. 02172 41379	. 02157 53425	. 02142 857	. 02128 37	. 02114 09396
4	. 02189 65517	. 02174 65753	. 02159 86395	. 02145 270	. 02130 87248
6	. 02206 89655	. 02191 78082	. 02176 87075	. 0216	. 02147 65101
8	. 02224 13793	. 02208 90411	. 02193 87755	. 02179 054	. 02164 42953
260	. 02241 37931	. 02226 02740	. 02210 88435	. 02195 94	. 02181 20805
2	. 02258 62069	. 02243 15068	. 02227 89116	. 02212 837	. 02197 98658
4	. 02275 86207	. 02260 27397	. 02244 89796	. 02229 7	. 02214 76510
6	. 02293 10345	. 02277 39726	. 02261 90476	. 02246 621	. 02231 54362
8	. 02310 34483	. 02294 52055	. 02278 91156	. 02263 51	. 02248 32215
270	. 02327 58621	. 02311 64384	. 02295 91837	. 02280 405	. 02265 10067
2	. 02344 82759	. 02328 76712	. 02312 92517	. 02297	. 02281 87919
4	. 02362 06897	. 02345 89041	. 02329 93197	. 02314 189	. 02298 65772
6	. 02379 31034	. 02363 01380	. 02346 93878	. 02331 08	. 02315 43624
8	. 02396 55172	. 02380 13699	. 02363 94558	. 02347 972	. 02332 21477
280	. 02413 79310	. 02397 26027	. 02380 95238	. 02364 8	. 02348 99329
2	. 02431 03448	. 02414 38356	. 02397 95918	. 02381 756	. 02365 77181
4	. 02448 27586	. 02431 50685	. 02414 96599	. 02398 64	. 02382 55034
6	. 02465 51724	. 02448 63014	. 02431 97279	. 02415 540	. 02399 32886
8	. 02482 75862	. 02465 75342	. 02448 97959	. 0243	. 02416 10738
290	. 025	. 02482 87671	. 02465 98639	. 02449 324	. 02432 88591
2	. 02517 24137	. 025	. 02482 99320	. 02466 21	. 02449 66443
4	. 02534 48276	. 02517 12328	. 025	. 02483 108	. 02466 44295
6	. 02551 72414	. 02534 24658	. 02517 00680	. 025	. 02483 22148
8	. 02568 96552	. 02551 36986	. 02534 01361	. 02516 891	. 025
300	. 02586 20690	. 02568 49315	. 02551 02041	. 02533 78	. 02516 77852
2	. 02603 44828	. 02585 61644	. 02568 02721	. 02550 675	. 02533 55705
4	. 02620 68966	. 02602 73973	. 02585 03401	. 02567	. 02550 33557
6	. 02637 93103	. 02619 86301	. 02602 04082	. 02584 459	. 02567 11409
8	. 02655 17241	. 02636 98630	. 02619 04762	. 02601 35	. 02583 89262
310	. 02672 41379	. 02654 10959	. 02636 05442	. 02618 243	. 02600 67114
2	. 02689 65517	. 02671 23288	. 02653 06122	. 02635 1	. 02617 44966
4	. 02706 89655	. 02688 35616	. 02670 06803	. 02652 027	. 02634 22819
6	. 02724 13793	. 02705 47945	. 02687 07483	. 02668 91	. 02651 00671
8	. 02741 37931	. 02722 60274	. 02704 08163	. 02685 810	. 02667 78523
320	. 02758 62069	. 02739 72603	. 02721 08844	. 027	. 02684 56376
2	. 02775 86207	. 02756 84932	. 02738 09524	. 02719 594	. 02701 34228
4	. 02793 10345	. 02773 97260	. 02755 10204	. 02736 48	. 02718 12081
6	. 02810 34483	. 02791 09589	. 02772 10884	. 02753 378	. 02734 89933
8	. 02827 58621	. 02808 21918	. 02789 11565	. 02770 2	. 02751 67785
330	. 02844 82759	. 02825 34247	. 02806 12245	. 02787 162	. 02768 45638

Lb.	Lbs. 300 at 6d.	Lbs. 302 at 6d.	Lbs. 304 at 6d.	Lbs. 306 at 6d.	Lbs. 308 at 6d.
Lb.	£	£	£	£	£
240	. 02	. 01986 75497	. 01973 68421	. 01960 78431	. 01948 05
2	. 02016	. 02003 31126	. 01990 13158	. 01977 12418	. 01964 28571
4	. 0203	. 02019 86755	. 02006 57895	. 01993 46405	. 01980 5194
6	. 0205	. 02036 42384	. 02023 02632	. 02009 80392	. 01996 75324
8	. 0206	. 02052 98013	. 02039 47368	. 02026 14379	. 02012 987
250	. 02083	. 02069 53642	. 02055 92105	. 02042 48366	. 02029 22077
2	. 021	. 02086 09272	. 02072 36842	. 02058 82353	. 02045
4	. 02146	. 02102 64901	. 02088 81579	. 02075 16340	. 02061 68831
6	. 0213	. 02119 20530	. 02105 26316	. 02091 50327	. 02077 92207
8	. 0215	. 02135 76159	. 02121 71053	. 02107 84314	. 02094 15584
260	. 0216	. 02152 31788	. 02138 15789	. 02124 18301	. 02110 3896
2	. 02183	. 02168 87417	. 02154 60526	. 02140 52288	. 02126 62337
4	. 022	. 02185 43046	. 02171 05263	. 02156 86275	. 02142 8571
6	. 02216	. 02201 98675	. 02187 5	. 02173 20261	. 02159 0
8	. 0223	. 02218 54305	. 02203 94737	. 02189 54248	. 02175 3246
270	. 0225	. 02235 09934	. 02220 39474	. 02205 88235	. 02191 55843
2	. 0226	. 02251 65563	. 02236 84211	. 02	. 02207 79
4	. 02283	. 02268 21192	. 02253 28947	. 02238 56209	. 02224 02596
6	. 023	. 02284 76821	. 02269 73684	. 02254 90196	. 02240 25973
8	. 02316	. 02301 32450	. 02286 18421	. 02271 24183	. 02256 49350
280	. 023	. 02317 88079	. 02302 63158	. 02287 58170	. 02272
2	. 0235	. 02334 43709	. 02319 07895	. 02303 92157	. 02288 96103
4	. 0236	. 02350 99338	. 02335 52632	. 02320 26144	. 02305 1948
6	. 02383	. 02367 54967	. 02351 97368	. 02336 60131	. 02321 42857
8	. 024	. 02384 10596	. 02368 42105	. 02352 94118	. 02337 6623
290	. 02416	. 02400 66225	. 02384 86842	. 02369 28105	. 02353 89610
2	. 0243	. 02417 21854	. 02401 31579	. 02385 62092	. 02370 1298
4	. 0245	. 02433 77483	. 02417 76316	. 02401 96078	. 02386 3
6	. 0246	. 02450 33113	. 02434 21053	. 02418 30065	. 02402 597
8	. 02483	. 02466 88742	. 02450 65789	. 02434 64052	. 02418 83116
300	. 025	. 02483 44371	. 02467 10526	. 02450 98039	. 02435 0649
2	. 02516	. 025	. 02483 55263	. 02467 32026	. 02451 29870
4	. 0253	. 02516 55629	. 025	. 02483 66013	. 02467 5324
6	. 0255	. 02533 11258	. 02516 44737	. 025	. 02483 76623
8	. 0256	. 02549 66887	. 02532 89474	. 02516 33987	. 025
310	. 02583	. 02566 22517	. 02549 34211	. 02532 67974	. 02516 23376
2	. 026	. 02582 78146	. 02565 78947	. 02549 01961	. 02532 4675
4	. 02616	. 02599 33775	. 02582 23684	. 02565 35948	. 02548 70129
6	. 0263	. 02615 89404	. 02598 68421	. 02581 69935	. 02564 9350
8	. 0265	. 02632 45033	. 02615 13158	. 02598 03922	. 02581 16883
320	. 026	. 02649 00662	. 02631 57895	. 02614 37908	. 02597 4025
2	. 02683	. 02665 56291	. 02648 02632	. 02630 71895	. 02613 6
4	. 027	. 02682 11921	. 02664 47368	. 02647 05882	. 02629 8701
6	. 02716	. 02698 67550	. 02680 92105	. 02663 39869	. 02646 10389
8	. 0273	. 02715 23179	. 02697 36842	. 02679 73856	. 02662 3376
330	. 0275	. 02731 78808	. 02713 81579	. 02696 07843	. 02678 57142

Lb.	Lbs. 310 at 6d.	Lbs. 312 at 6d.	Lbs. 314 at 6d.	Lbs. 316 at 6d.	Lbs. 318 at 6d.
	£	£	£	£	£
240	. 01935 48387	. 01923 076	. 01910 82803	. 01898 73418	. 01886 79245
2	. 01951 61290	. 01939 10256	. 01926 75159	. 01914 55696	. 01902 51572
4	. 01967 74194	. 01955 12820	. 01942 67516	. 01930 37975	. 01918 23899
6	. 01983 87097	. 01971 15384	. 01958 59873	. 01946 20253	. 01933 96226
8	. 02	. 01987 1794	. 01974 52229	. 01962 02532	. 01949 68553
250	. 02016 12903	. 02003 20512	. 01990 44586	. 01977 84810	. 01965 40881
2	. 02032 25806	. 02019 23076	. 02006 36943	. 01993 67089	. 01981 13208
4	. 02048 38710	. 02035 25641	. 02022 29299	. 02009 49367	. 01996 85535
6	. 02064 51613	. 02051 2820	. 02038 21656	. 02025 31646	. 02012 57863
8	. 02080 64516	. 02067 30769	. 02054 14013	. 02041 13924	. 02028 30189
260	. 02096 77419	. 02083	. 02070 06369	. 02056 96203	. 02044 02516
2	. 02112 90323	. 02099 35897	. 02085 98726	. 02072 78481	. 02059 74843
4	. 02129 03226	. 02115 3846	. 02101 91083	. 02088 60759	. 02075 47170
6	. 02145 16129	. 02131 41026	. 02117 83439	. 02104 43038	. 02091 19497
8	. 02161 29032	. 02147 43589	. 02133 75796	. 02120 25316	. 02106 91824
270	. 02177 41935	. 02163 46154	. 02149 68152	. 02136 07595	. 02122 64151
2	. 02193 54839	. 02179 4871	. 02165 60510	. 02151 89873	. 02138 36478
4	. 02209 67742	. 02195 51282	. 02181 52866	. 02167 72152	. 02154 08805
6	. 02225 80645	. 02211 53846	. 02197 45223	. 02183 54430	. 02169 81132
8	. 02241 93548	. 02227 56410	. 02213 37580	. 02199 36709	. 02185 53459
280	. 02258 06452	. 02243 5897	. 02229 29936	. 02215 18987	. 02201 25786
2	. 02274 19355	. 02259 61538	. 02245 22293	. 02231 01266	. 02216 98113
4	. 02290 32258	. 02275 64102	. 02261 14650	. 02246 83544	. 02232 70440
6	. 02306 45161	. 02291 6	. 02277 07006	. 02262 65823	. 02248 42767
8	. 02322 58065	. 02307 6923	. 02292 99363	. 02278 48101	. 02264 15094
290	. 02338 70968	. 02323 71795	. 02308 91720	. 02294 30380	. 02279 87421
2	. 02354 83871	. 02339 74358	. 02324 84076	. 02310 12658	. 02295 59748
4	. 02370 96774	. 02355 76923	. 02340 76433	. 02325 94937	. 02311 32075
6	. 02387 09677	. 02371 7948	. 02356 68790	. 02341 77215	. 02327 04403
8	. 02403 22581	. 02387 82051	. 02372 61147	. 02357 59494	. 02342 76730
300	. 02419 35484	. 02403 84615	. 02388 53503	. 02373 41772	. 02358 49057
2	. 02435 48387	. 02419 87179	. 02404 45860	. 02389 24051	. 02374 21384
4	. 02451 61290	. 02435 8974	. 02420 38217	. 02405 06329	. 02389 93711
6	. 02467 74194	. 02451 92308	. 02436 30573	. 02420 88608	. 02405 66038
8	. 02483 87097	. 02467 94871	. 02452 22930	. 02436 70886	. 02421 38365
310	. 025	. 02483 97436	. 02468 15287	. 02452 53165	. 02437 10692
2	. 02516 12903	. 025	. 02484 07643	. 02468 35443	. 02452 83019
4	. 02532 25806	. 02516 02564	. 025	. 02484 17722	. 02468 55346
6	. 02548 38710	. 02532 05128	. 02515 92357	. 025	. 02484 27673
8	. 02564 51613	. 02548 07692	. 02531 84713	. 02515 82278	. 025
320	. 02580 64516	. 02564 i	. 02547 77070	. 02531 64557	. 02515 72327
2	. 02596 77419	. 02580 12820	. 02563 69427	. 02547 46835	. 02531 44654
4	. 02612 90323	. 02596 15384	. 02579 61783	. 02563 29114	. 02547 16981
6	. 02629 03226	. 02612 17949	. 02595 54140	. 02579 11392	. 02562 89308
8	. 02645 16129	. 02628 20512	. 02611 46497	. 02594 93671	. 02578 61635
330	. 02661 29032	. 02644 23077	. 02627 38854	. 02610 75949	. 02594 33962

	Lbs. 320 at 6d.	Lbs. 322 at 6d.	Lbs. 324 at 6d.	Lbs. 326 at 6d.	Lbs. 328 at 6d.	Lbs. 330 at 6d.
Lb.	£	£	£	£	£	£
40	.01875	.01863 35404	.0185	.01840 49080	.01829 26	.018
2	.01890 625	.01878 88199	.01867 28395	.01855 82822	.01844 51219	.0183
4	.01906 25	.01894 40994	.01882 71605	.01871 16564	.01859 7560	.01848
6	.01921 875	.01909 93789	.01898 14	.01886 50307	.01875	.01863
8	.01937 5	.01925 46584	.01913 58025	.01901 84049	.01890 243	.01878
50	.01953 125	.01940 99379	.01929 01235	.01917 17791	.01905 48780	.01893
2	.01968 75	.01956 52174	.0194	.01932 51534	.01920 7317	.01909
4	.01984 375	.01972 04969	.01959 87654	.01947 85276	.01935 97560	.01924
6	.020	.01987 57764	.01975 30864	.01963 19018	.01951 219	.01939
8	.02015 625	.02003 10559	.01990 74	.01978 52761	.01966 46341	.01954
60	.02031 25	.02018 63354	.02006 17284	.01993 86503	.01981 7073	.01969
2	.02046 875	.02034 16149	.02021 60494	.02009 20245	.01996 95121	.01984
4	.02062 5	.02049 68944	.02037 0	.02024 53988	.02012 195	.02
6	.02078 125	.02065 21739	.02052 46914	.02039 87730	.02027 43902	.02015
8	.02093 75	.02080 74534	.02067 90123	.02055 21472	.02042 6829	.0203
70	.02109 375	.02096 27329	.02083	.02070 55215	.02057 92682	.02045
2	.02125	.02111 80124	.02098 76543	.02085 88957	.02073 170	.0206
4	.02140 625	.02127 32919	.02114 19753	.02101 22699	.02088 41463	.02075
6	.02156 25	.02142 85714	.02129 6	.02116 56442	.02103 6585	.0209
8	.02171 875	.02158 38509	.02145 06173	.02131 90184	.02118 90243	.02106
80	.02187 5	.02173 91304	.02160 49383	.02147 23926	.02134 146	.021
2	.02203 125	.02189 44099	.02175 92	.02162 57669	.02149 39024	.02136
4	.02218 75	.02204 96894	.02191 35802	.02177 91411	.02164 6341	.0215
6	.02234 375	.02220 49689	.02206 79012	.02193 25153	.02179 87804	.0216
8	.0225	.02236 02484	.02	.02208 58896	.02195 121	.0218
90	.02265 625	.02251 55280	.02237 65432	.02223 92638	.02210 36585	.02196
2	.02281 25	.02267 08075	.02253 08642	.02239 26380	.02225 6097	.0221
4	.02296 875	.02282 60870	.02268 51	.02254 60123	.02240 85365	.02227
6	.02312 5	.02298 13665	.02283 95062	.02269 93865	.02256 097	.0224
8	.02328 125	.02313 66460	.02299 38272	.02285 27607	.02271 34146	.02257
00	.02343 75	.02329 19255	.02314 8	.02300 61350	.02286 5853	.0227
2	.02359 375	.02344 72050	.02330 24691	.02315 95092	.02301 82926	.02287
4	.02375	.02360 24845	.02345 67901	.02331 28834	.02317 073	.0230
6	.02390 625	.02375 77640	.02361	.02346 62577	.02332 31707	.02318
8	.02406 25	.02391 30435	.02376 54321	.02361 96319	.02347 5609	.023
10	.02421 875	.02406 83230	.02391 97531	.02377 30061	.02362 80487	.02348
2	.02437 5	.02422 36025	.02407	.02392 63804	.02378 048	.0236
4	.02453 125	.02437 88820	.02422 83951	.02407 97546	.02393 29268	.02378
6	.02468 75	.02453 41615	.02438 27160	.02423 31288	.02408 5365	.0239
8	.02484 375	.02468 94410	.02453 70	.02438 65031	.02423 78048	.02409
0	.025	.02484 47205	.02469 13580	.02453 98773	.02439 024	.024
2	.02515 625	.025	.02484 56790	.02469 32515	.02454 26829	.02439
4	.02531 25	.02515 52795	.025	.02484 66258	.02469 5121	.0245
6	.02546 875	.02531 05590	.02515 43210	.025	.02484 75609	.02469
8	.02562 5	.02546 58385	.02530 86420	.02515 33742	.025	.0248
0	.02578 125	.02562 11180	.02546 29	.02530 67485	.02515 24390	.025

T A B L E S
OF THE
VALUE OF MALT, &c.

AT
DIFFERENT WEIGHTS AND PRICES PER QUARTER.

ALSO,
A T A B L E
OF THE
VALUE OF GRAIN PER LB.

AT
DIFFERENT WEIGHTS AND PRICES PER QUARTER.

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 25s.		At Lbs. 300 for 25s. 6d.		At Lbs. 300 for 26s.	
	Lbs.	£ or s. d.	Lbs.	£ or s. d.	Lbs.	£ or s. d.
250	1.0416	20 10	1.0625	21 3	1.083	21 8
2	1.05	21 0	1.071	21 5	1.092	21 10
4	1.0583	21 2	1.0795	21 7	1.1006	22 0
6	1.06	21 4	1.088	21 9 $\frac{1}{4}$	1.1093	22 2 $\frac{1}{4}$
8	1.075	21 6	1.0965	21 11	1.118	22 4 $\frac{1}{4}$
260	1.083	21 8	1.105	22 1 $\frac{1}{4}$	1.126	22 6 $\frac{1}{4}$
2	1.0916	21 10	1.1135	22 3 $\frac{1}{4}$	1.1353	22 8 $\frac{1}{2}$
4	1.1	22 0	1.122	22 5 $\frac{1}{4}$	1.144	22 10 $\frac{1}{2}$
6	1.1083	22 2	1.1305	22 7 $\frac{1}{4}$	1.1526	23 0 $\frac{1}{2}$
8	1.116	22 4	1.139	22 9 $\frac{1}{4}$	1.1613	23 2 $\frac{3}{4}$
270	1.125	22 6	1.1475	22 11 $\frac{1}{2}$	1.17	23 4 $\frac{3}{4}$
2	1.13	22 8	1.156	23 1 $\frac{1}{2}$	1.1786	23 6 $\frac{3}{4}$
4	1.1416	22 10	1.1645	23 3 $\frac{1}{2}$	1.1873	23 9
6	1.15	23 0	1.173	23 5 $\frac{1}{2}$	1.196	23 11
8	1.1583	23 2	1.1815	23 7 $\frac{1}{2}$	1.2046	24 1
280	1.16	23 4	1.19	23 9 $\frac{1}{2}$	1.213	24 3 $\frac{1}{4}$
2	1.175	23 6	1.1985	23 11 $\frac{1}{2}$	1.222	24 5 $\frac{1}{4}$
4	1.183	23 8	1.207	24 1 $\frac{3}{4}$	1.2306	24 7 $\frac{1}{4}$
6	1.1916	23 10	1.2155	24 3 $\frac{3}{4}$	1.2393	24 9 $\frac{1}{4}$
8	1.2	24 0	1.224	24 5 $\frac{3}{4}$	1.248	24 11 $\frac{1}{2}$
290	1.2083	24 2	1.2325	24 7 $\frac{3}{4}$	1.256	25 1 $\frac{1}{2}$
2	1.216	24 4	1.241	24 9 $\frac{3}{4}$	1.2653	25 3 $\frac{3}{4}$
4	1.225	24 6	1.2495	24 11 $\frac{3}{4}$	1.274	25 5 $\frac{3}{4}$
6	1.23	24 8	1.258	25 2	1.2826	25 7 $\frac{3}{4}$
8	1.2416	24 10	1.2665	25 4	1.2913	25 10
300	1.25	25 0	1.275	25 6	1.3	26 0

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lb.	At Lbs. 300 for 25s.		At Lbs. 300 for 25s. 6d.		At Lbs. 300 for 26s.	
	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	1.25	25 0	1.275	25 6	1.3	26 0
2	1.2583	25 2	1.2835	25 8	1.3086	26 2
4	1.26	25 4	1.292	25 10	1.3173	26 4 $\frac{1}{4}$
6	1.275	25 6	1.3005	26 0	1.326	26 6 $\frac{1}{4}$
8	1.283	25 8	1.309	26 2	1.3346	26 8 $\frac{1}{4}$
310	1.2916	25 10	1.3175	26 4 $\frac{1}{4}$	1.343	26 10 $\frac{1}{4}$
2	1.3	26 0	1.326	26 6 $\frac{1}{4}$	1.352	27 0 $\frac{1}{2}$
4	1.3083	26 2	1.3345	26 8 $\frac{1}{4}$	1.3606	27 2 $\frac{1}{2}$
6	1.316	26 4	1.343	26 10 $\frac{1}{4}$	1.3693	27 4 $\frac{1}{2}$
8	1.325	26 6	1.3515	27 0 $\frac{1}{4}$	1.378	27 6 $\frac{3}{4}$
320	1.3	26 8	1.36	27 2 $\frac{1}{2}$	1.386	27 8 $\frac{3}{4}$
2	1.3416	26 10	1.3685	27 4 $\frac{1}{2}$	1.3953	27 10 $\frac{3}{4}$
4	1.35	27 0	1.377	27 6 $\frac{1}{2}$	1.404	28 1
6	1.3583	27 2	1.3855	27 8 $\frac{1}{2}$	1.4126	28 3
8	1.36	27 4	1.394	27 10 $\frac{1}{2}$	1.4213	28 5
330	1.375	27 6	1.4025	28 0 $\frac{1}{2}$	1.43	28 7 $\frac{1}{4}$
2	1.383	27 8	1.411	28 2 $\frac{3}{4}$	1.4386	28 9 $\frac{1}{4}$
4	1.3916	27 10	1.4195	28 4 $\frac{3}{4}$	1.4473	28 11 $\frac{1}{4}$
6	1.4	28 0	1.428	28 6 $\frac{3}{4}$	1.456	29 1 $\frac{1}{2}$
8	1.4083	28 2	1.4365	28 8 $\frac{3}{4}$	1.4646	29 3 $\frac{1}{2}$
340	1.416	28 4	1.445	28 10 $\frac{3}{4}$	1.473	29 5 $\frac{1}{2}$
2	1.425	28 6	1.4535	29 0 $\frac{3}{4}$	1.482	29 7 $\frac{1}{2}$
4	1.43	28 8	1.462	29 3	1.4906	29 9 $\frac{1}{2}$
6	1.4416	28 10	1.4705	29 5	1.4993	29 11 $\frac{3}{4}$
8	1.45	29 0	1.479	29 7	1.508	30 2
350	1.4583	29 2	1.4875	29 9	1.516	30 4

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 26s. 6d.		At Lbs. 300 for 27s.		At Lbs. 300 for 27s. 6d.	
Lbs.	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	1.10416	22 1	1.125	22 6	1.14583	22 11
2	1.113	22 3 $\frac{1}{4}$	1.134	22 8	1.155	23 1 $\frac{1}{4}$
4	1.12163	22 5 $\frac{1}{4}$	1.143	22 10 $\frac{1}{4}$	1.16416	23 3 $\frac{1}{2}$
6	1.1306	22 7 $\frac{1}{4}$	1.152	23 0 $\frac{1}{2}$	1.173	23 5 $\frac{1}{2}$
8	1.1395	22 9 $\frac{1}{2}$	1.161	23 2 $\frac{3}{4}$	1.1825	23 7 $\frac{3}{4}$
260	1.1483	22 11 $\frac{1}{2}$	1.17	23 4 $\frac{1}{4}$	1.1916	23 10
2	1.15716	23 1 $\frac{3}{4}$	1.179	23 7	1.20083	24 0 $\frac{1}{4}$
4	1.166	23 4	1.188	23 9	1.21	24 2 $\frac{1}{2}$
6	1.17483	23 6	1.197	23 11 $\frac{1}{4}$	1.21916	24 4 $\frac{1}{2}$
8	1.1836	23 8	1.206	24 1 $\frac{1}{2}$	1.2283	24 6 $\frac{3}{4}$
270	1.1925	23 10 $\frac{1}{4}$	1.215	24 3 $\frac{1}{2}$	1.2375	24 9
2	1.2013	24 0 $\frac{1}{4}$	1.224	24 5 $\frac{3}{4}$	1.246	24 11 $\frac{1}{4}$
4	1.21016	24 2 $\frac{1}{2}$	1.233	24 8	1.25583	25 1 $\frac{1}{4}$
6	1.219	24 4 $\frac{3}{4}$	1.242	24 10	1.265	25 3 $\frac{3}{4}$
8	1.22783	24 6 $\frac{3}{4}$	1.251	25 0 $\frac{1}{4}$	1.27416	25 5 $\frac{3}{4}$
280	1.236	24 8 $\frac{3}{4}$	1.26	25 2 $\frac{1}{2}$	1.283	25 8
2	1.2455	24 10 $\frac{3}{4}$	1.269	25 4 $\frac{1}{2}$	1.2925	25 10 $\frac{1}{4}$
4	1.2543	25 1	1.278	25 6 $\frac{3}{4}$	1.3016	26 0 $\frac{1}{4}$
6	1.26316	25 3 $\frac{1}{4}$	1.287	25 9	1.31083	26 2 $\frac{1}{2}$
8	1.272	25 5 $\frac{1}{4}$	1.296	25 11	1.32	26 4 $\frac{3}{4}$
290	1.28083	25 7 $\frac{1}{2}$	1.305	26 1 $\frac{1}{4}$	1.32916	26 7
2	1.2896	25 9 $\frac{1}{2}$	1.314	26 3 $\frac{1}{2}$	1.3383	26 9
4	1.2985	25 11 $\frac{1}{2}$	1.323	26 5 $\frac{1}{2}$	1.3475	26 11 $\frac{1}{4}$
6	1.3073	26 1 $\frac{3}{4}$	1.332	26 7 $\frac{1}{2}$	1.356	27 1 $\frac{1}{2}$
8	1.31616	26 4	1.341	26 9 $\frac{3}{4}$	1.36583	27 3 $\frac{3}{4}$
300	1.325	26 6	1.35	27 0	1.375	27 6

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 26s. 6d.			At Lbs. 300 for 27s.			At Lbs. 300 for 27s. 6d.		
Lbs.	£	or	s. d.	£	or	s. d.	£	or	s. d.
300	1.325		26 6	1.35		27 0	1.375		27 6
2	1.33383		26 8	1.359		27 2 $\frac{1}{4}$	1.38416		27 8
4	1.3426		26 10 $\frac{1}{4}$	1.368		27 4 $\frac{1}{2}$	1.393		27 10 $\frac{1}{4}$
6	1.3515		27 0 $\frac{1}{4}$	1.377		27 6 $\frac{1}{2}$	1.4025		28 0 $\frac{1}{2}$
8	1.3603		27 2 $\frac{1}{2}$	1.386		27 8 $\frac{1}{2}$	1.4116		28 2 $\frac{3}{4}$
310	1.36916		27 4 $\frac{1}{2}$	1.395		27 10 $\frac{3}{4}$	1.42083		28 5
2	1.378		27 6 $\frac{3}{4}$	1.404		28 1	1.43		28 7 $\frac{1}{4}$
4	1.38683		27 8 $\frac{3}{4}$	1.413		28 3 $\frac{1}{4}$	1.43916		28 9 $\frac{1}{4}$
6	1.3956		27 11	1.422		28 5 $\frac{1}{4}$	1.4483		28 11 $\frac{1}{2}$
8	1.4045		28 1	1.431		28 7 $\frac{1}{2}$	1.4575		29 1 $\frac{3}{4}$
320	1.413		28 3 $\frac{1}{4}$	1.44		28 9 $\frac{1}{2}$	1.46		29 4
2	1.42216		28 5 $\frac{1}{4}$	1.449		28 11 $\frac{3}{4}$	1.47583		29 6 $\frac{1}{4}$
4	1.431		28 7 $\frac{1}{2}$	1.458		29 2	1.485		29 8 $\frac{1}{2}$
6	1.43983		28 9 $\frac{1}{2}$	1.467		29 4 $\frac{1}{4}$	1.49416		29 10 $\frac{1}{2}$
8	1.4486		28 11 $\frac{3}{4}$	1.476		29 6 $\frac{1}{4}$	1.503		30 0 $\frac{3}{4}$
330	1.4575		29 1 $\frac{3}{4}$	1.485		29 8 $\frac{1}{4}$	1.5125		30 3
2	1.4663		29 4	1.494		29 10 $\frac{1}{2}$	1.5216		30 5
4	1.47516		29 6	1.503		30 0 $\frac{3}{4}$	1.53083		30 7 $\frac{1}{4}$
6	1.484		29 8 $\frac{1}{4}$	1.512		30 3	1.54		30 9 $\frac{1}{2}$
8	1.49283		29 10 $\frac{1}{4}$	1.521		30 5	1.54916		30 11 $\frac{3}{4}$
340	1.5016		30 0 $\frac{1}{4}$	1.53		30 7 $\frac{1}{4}$	1.5583		31 2
2	1.5105		30 2 $\frac{1}{2}$	1.539		30 9 $\frac{1}{4}$	1.5675		31 4 $\frac{1}{4}$
4	1.5193		30 4 $\frac{1}{2}$	1.548		30 11 $\frac{1}{2}$	1.576		31 6 $\frac{1}{4}$
6	1.52816		30 6 $\frac{3}{4}$	1.557		31 1 $\frac{3}{4}$	1.58583		31 8 $\frac{1}{2}$
8	1.537		30 9	1.566		31 4	1.595		31 10 $\frac{3}{4}$
350	1.54583		30 11	1.575		31 6	1.60416		32 1

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lbs.	At Lbs. 300 for 28s.		At Lbs. 300 for 28s. 6d.		At Lbs. 300 for 29s.	
	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	1.16	23 4	1.1875	23 9	1.2083	24 2
2	1.176	23 6 $\frac{1}{4}$	1.197	23 11 $\frac{1}{4}$	1.218	24 4 $\frac{1}{4}$
4	1.1853	23 8 $\frac{1}{4}$	1.2065	24 1 $\frac{1}{2}$	1.2276	24 6 $\frac{1}{2}$
6	1.1946	23 10 $\frac{1}{2}$	1.216	24 4	1.2373	24 8 $\frac{3}{4}$
8	1.204	24 1	1.2255	24 6 $\frac{1}{4}$	1.247	24 11 $\frac{1}{4}$
260	1.213	24 3 $\frac{1}{4}$	1.235	24 8 $\frac{1}{4}$	1.256	25 1 $\frac{1}{2}$
2	1.2226	24 5 $\frac{1}{4}$	1.2445	24 10 $\frac{1}{2}$	1.2663	25 4
4	1.232	24 7 $\frac{1}{2}$	1.254	25 1	1.276	25 6 $\frac{1}{4}$
6	1.2413	24 9 $\frac{3}{4}$	1.2635	25 3 $\frac{1}{4}$	1.2856	25 8 $\frac{1}{2}$
8	1.2506	25 0	1.273	25 5 $\frac{1}{2}$	1.2953	25 10 $\frac{3}{4}$
270	1.26	25 2 $\frac{1}{4}$	1.2825	25 7 $\frac{3}{4}$	1.305	26 1 $\frac{1}{4}$
2	1.2693	25 4 $\frac{1}{2}$	1.292	25 10	1.3146	26 3 $\frac{1}{2}$
4	1.2786	25 6 $\frac{3}{4}$	1.3015	26 0 $\frac{1}{4}$	1.3243	26 5 $\frac{3}{4}$
6	1.288	25 9	1.311	26 2 $\frac{3}{4}$	1.334	26 8
8	1.2973	25 11 $\frac{1}{4}$	1.3205	26 4 $\frac{3}{4}$	1.3436	26 10 $\frac{1}{4}$
280	1.306	26 1 $\frac{1}{2}$	1.33	26 7 $\frac{1}{4}$	1.353	27 0 $\frac{3}{4}$
2	1.316	26 3 $\frac{3}{4}$	1.3395	26 9 $\frac{1}{2}$	1.363	27 3 $\frac{1}{4}$
4	1.3253	26 6	1.349	26 11 $\frac{3}{4}$	1.3726	27 5 $\frac{1}{2}$
6	1.3346	26 8 $\frac{1}{4}$	1.3585	27 2	1.3823	27 7 $\frac{3}{4}$
8	1.344	26 10 $\frac{1}{2}$	1.368	27 4 $\frac{1}{4}$	1.392	27 10
290	1.353	27 0 $\frac{3}{4}$	1.3775	27 6 $\frac{1}{2}$	1.4016	28 0 $\frac{1}{4}$
2	1.3626	27 3	1.387	27 8 $\frac{3}{4}$	1.4113	28 2 $\frac{3}{4}$
4	1.372	27 5 $\frac{1}{4}$	1.3965	27 11	1.421	28 5
6	1.3813	27 7 $\frac{1}{2}$	1.406	28 1 $\frac{1}{2}$	1.4306	28 7 $\frac{1}{4}$
8	1.3906	27 9 $\frac{3}{4}$	1.4155	28 3 $\frac{3}{4}$	1.4403	28 9 $\frac{1}{2}$
300	1.4	28 0	1.425	28 6	1.45	29 0

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 28s.		At Lbs. 300 for 28s. 6d.		At Lbs. 300 for 29s.	
Lbs.	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	1.4	28 0	1.425	28 6	1.45	29 0
2	1.4093	28 2 $\frac{1}{4}$	1.4345	28 8 $\frac{1}{4}$	1.4596	29 2 $\frac{1}{4}$
4	1.4186	28 4 $\frac{1}{2}$	1.444	28 10 $\frac{1}{2}$	1.4693	29 4 $\frac{1}{2}$
6	1.428	28 6 $\frac{3}{4}$	1.4535	29 0 $\frac{3}{4}$	1.479	29 7
8	1.4373	28 9	1.463	29 3	1.4886	29 9 $\frac{1}{4}$
310	1.446	28 11 $\frac{1}{4}$	1.4725	29 5 $\frac{1}{4}$	1.4983	29 11 $\frac{1}{2}$
2	1.456	29 1 $\frac{1}{2}$	1.482	29 7 $\frac{1}{2}$	1.508	30 2
4	1.4653	29 3 $\frac{3}{4}$	1.4915	29 9 $\frac{3}{4}$	1.5176	30 4 $\frac{1}{4}$
6	1.4746	29 6	1.501	30 0 $\frac{1}{4}$	1.5273	30 6 $\frac{1}{2}$
8	1.484	29 8	1.5105	30 2 $\frac{1}{2}$	1.537	30 8 $\frac{3}{4}$
320	1.493	29 10 $\frac{1}{4}$	1.52	30 4 $\frac{3}{4}$	1.546	30 11
2	1.5026	30 0 $\frac{1}{2}$	1.5295	30 7	1.5563	31 1 $\frac{1}{2}$
4	1.512	30 3	1.539	30 9 $\frac{1}{4}$	1.566	31 3 $\frac{3}{4}$
6	1.5213	30 5	1.5485	30 11 $\frac{1}{2}$	1.5756	31 6
8	1.5306	30 7 $\frac{1}{4}$	1.558	31 2	1.5853	31 8 $\frac{1}{4}$
330	1.54	30 9 $\frac{1}{2}$	1.5675	31 4 $\frac{1}{4}$	1.595	31 10 $\frac{3}{4}$
2	1.5493	30 11 $\frac{3}{4}$	1.577	31 6 $\frac{1}{2}$	1.6046	32 1
4	1.5586	31 2	1.5865	31 8 $\frac{3}{4}$	1.6143	32 3 $\frac{1}{2}$
6	1.568	31 4 $\frac{1}{4}$	1.596	31 11	1.624	32 5 $\frac{3}{4}$
8	1.5773	31 6 $\frac{1}{2}$	1.6055	32 1 $\frac{1}{4}$	1.6336	32 8
340	1.586	31 8 $\frac{3}{4}$	1.615	32 3 $\frac{3}{4}$	1.643	32 10 $\frac{1}{4}$
2	1.596	31 11	1.6245	32 6	1.653	33 0 $\frac{3}{4}$
4	1.6053	32 1 $\frac{1}{4}$	1.634	32 8 $\frac{1}{4}$	1.6626	33 3
6	1.6146	32 3 $\frac{1}{2}$	1.6435	32 10 $\frac{1}{2}$	1.6723	33 5 $\frac{1}{4}$
8	1.624	32 5 $\frac{3}{4}$	1.653	33 0 $\frac{3}{4}$	1.682	33 7 $\frac{1}{2}$
350	1.63	32 7 $\frac{3}{4}$	1.6625	33 3	1.6916	33 10

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lbs.	At Lbs. 300 for 29s. 6d.		At Lbs. 300 for 30s.		At Lbs. 300 for 30s. 6d.	
	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	1.22916	24 7	1.25	25 0	1.27083	25 5
2	1.239	24 9 $\frac{1}{4}$	1.26	25 2 $\frac{1}{2}$	1.281	25 7 $\frac{1}{2}$
4	1.24883	24 11 $\frac{3}{4}$	1.27	25 4 $\frac{3}{4}$	1.29116	25 9 $\frac{3}{4}$
6	1.2586	25 2	1.28	25 7 $\frac{1}{4}$	1.3013	26 0 $\frac{1}{4}$
8	1.2685	25 4 $\frac{1}{4}$	1.29	25 9 $\frac{1}{2}$	1.3115	26 2 $\frac{3}{4}$
260	1.2783	25 6 $\frac{3}{4}$	1.3	26 0	1.3216	26 5
2	1.28816	25 9	1.31	26 2 $\frac{1}{2}$	1.33183	26 7 $\frac{1}{2}$
4	1.298	25 11 $\frac{1}{2}$	1.32	26 4 $\frac{3}{4}$	1.342	26 10
6	1.30783	26 1 $\frac{3}{4}$	1.33	26 7 $\frac{1}{4}$	1.35216	27 0 $\frac{1}{2}$
8	1.3176	26 4 $\frac{1}{4}$	1.34	26 9 $\frac{1}{2}$	1.3623	27 3
270	1.3275	26 6 $\frac{1}{2}$	1.35	27 0	1.3725	27 5 $\frac{1}{4}$
2	1.3373	26 9	1.36	27 2 $\frac{1}{2}$	1.3826	27 7 $\frac{3}{4}$
4	1.34716	26 11 $\frac{1}{4}$	1.37	27 4 $\frac{3}{4}$	1.39283	27 10 $\frac{1}{4}$
6	1.357	27 1 $\frac{3}{4}$	1.38	27 7 $\frac{1}{4}$	1.403	28 0 $\frac{3}{4}$
8	1.36683	27 4	1.39	27 9 $\frac{1}{2}$	1.41316	28 3 $\frac{1}{4}$
280	1.376	27 6 $\frac{1}{2}$	1.4	28 0	1.423	28 5 $\frac{1}{2}$
2	1.3865	27 8 $\frac{3}{4}$	1.41	28 2 $\frac{1}{2}$	1.4335	28 8
4	1.3963	27 11	1.42	28 4 $\frac{3}{4}$	1.4436	28 10 $\frac{1}{4}$
6	1.40616	28 1 $\frac{1}{2}$	1.43	28 7 $\frac{1}{4}$	1.45383	29 0 $\frac{3}{4}$
8	1.416	28 4	1.44	28 9 $\frac{1}{2}$	1.464	29 3 $\frac{1}{2}$
290	1.42583	28 6 $\frac{1}{4}$	1.45	29 0	1.47416	29 5 $\frac{3}{4}$
2	1.4356	28 8 $\frac{1}{2}$	1.46	29 2 $\frac{1}{2}$	1.4843	29 8
4	1.4455	28 10 $\frac{3}{4}$	1.47	29 4 $\frac{3}{4}$	1.4945	29 10 $\frac{1}{2}$
6	1.4553	29 1 $\frac{1}{4}$	1.48	29 7 $\frac{1}{4}$	1.5046	30 1
8	1.46516	29 3 $\frac{3}{4}$	1.49	29 9 $\frac{1}{2}$	1.51483	30 3 $\frac{1}{2}$
300	1.475	29 6	1.5	30 0	1.525	30 6

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lb.	At Lbs. 300 for 29s. 6d.		At Lbs. 300 for 30s.		At Lbs. 300 for 30s. 6d.	
	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	1.475	29 6	1.5	30 0	1.525	30 6
2	1.48483	29 8 $\frac{1}{4}$	1.51	30 2 $\frac{1}{2}$	1.53516	30 8 $\frac{1}{4}$
4	1.4946	29 10 $\frac{3}{4}$	1.52	30 4 $\frac{3}{4}$	1.5453	30 10 $\frac{3}{4}$
6	1.5045	30 1	1.53	30 7 $\frac{1}{4}$	1.5555	31 1 $\frac{1}{4}$
8	1.5143	30 3 $\frac{1}{2}$	1.54	30 9 $\frac{1}{2}$	1.5656	31 3 $\frac{3}{4}$
310	1.52416	30 5 $\frac{3}{4}$	1.55	31 0	1.57583	31 6 $\frac{1}{4}$
2	1.534	30 8	1.56	31 2 $\frac{1}{2}$	1.586	31 8 $\frac{1}{2}$
4	1.54383	30 10 $\frac{1}{2}$	1.57	31 4 $\frac{3}{4}$	1.59616	31 11
6	1.5536	31 0 $\frac{3}{4}$	1.58	31 7 $\frac{1}{4}$	1.6063	32 1 $\frac{1}{2}$
8	1.5635	31 3 $\frac{1}{4}$	1.59	31 9 $\frac{1}{2}$	1.6165	32 4
320	1.573	31 5 $\frac{1}{2}$	1.6	32 0	1.626	32 6 $\frac{1}{4}$
2	1.58316	31 8	1.61	32 2 $\frac{1}{2}$	1.63683	32 8 $\frac{3}{4}$
4	1.593	31 10 $\frac{1}{4}$	1.62	32 4 $\frac{3}{4}$	1.647	32 11 $\frac{1}{4}$
6	1.60283	32 0 $\frac{1}{2}$	1.63	32 7 $\frac{1}{4}$	1.65716	33 1 $\frac{3}{4}$
8	1.6126	32 3	1.64	32 9 $\frac{1}{2}$	1.6673	33 4 $\frac{1}{4}$
330	1.6225	32 5 $\frac{1}{4}$	1.65	33 0	1.6775	33 6 $\frac{1}{2}$
2	1.6323	32 7 $\frac{1}{2}$	1.66	33 2 $\frac{1}{2}$	1.6876	33 9
4	1.64216	32 10	1.67	33 4 $\frac{3}{4}$	1.69783	33 11 $\frac{1}{2}$
6	1.652	33 0 $\frac{1}{2}$	1.68	33 7 $\frac{1}{4}$	1.708	34 2
8	1.66183	33 2 $\frac{3}{4}$	1.69	33 9 $\frac{1}{2}$	1.71816	34 4 $\frac{1}{4}$
340	1.6716	33 5	1.7	34 0	1.7283	34 6 $\frac{3}{4}$
2	1.6815	33 7 $\frac{1}{2}$	1.71	34 2 $\frac{1}{2}$	1.7385	34 9 $\frac{1}{4}$
4	1.6913	33 9 $\frac{3}{4}$	1.72	34 4 $\frac{3}{4}$	1.7486	34 11 $\frac{3}{4}$
6	1.70116	34 0 $\frac{1}{4}$	1.73	34 7 $\frac{1}{4}$	1.75883	35 2
8	1.711	34 2 $\frac{3}{4}$	1.74	34 9 $\frac{1}{2}$	1.769	35 4 $\frac{1}{2}$
350	1.72083	34 5	1.75	35 0	1.77916	35 7

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lbs.	At Lbs. 300 for 31s.		At Lbs. 300 for 31s. 6d.		At Lbs. 300 for 32s.	
	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	1.2916	25 10	1.3125	26 3	1.3	26 8
2	1.302	26 0½	1.323	26 5½	1.344	26 10½
4	1.3123	26 3	1.3335	26 8	1.3546	27 1
6	1.3226	26 5¼	1.344	26 10½	1.3653	27 3¼
8	1.333	26 7¼	1.3545	27 1	1.376	27 6¼
260	1.343	26 10¼	1.365	27 3½	1.386	27 8¼
2	1.3536	27 0¼	1.3755	27 6	1.3973	27 11¼
4	1.364	27 3½	1.386	27 8½	1.408	28 2
6	1.3743	27 5¼	1.3965	27 11	1.4186	28 4½
8	1.3846	27 8¼	1.407	28 1¼	1.4293	28 7
270	1.395	27 10¼	1.4175	28 4¼	1.44	28 9½
2	1.4053	28 1¼	1.428	28 6¼	1.4506	29 0
4	1.4156	28 3¼	1.4385	28 9¼	1.4613	29 2¼
6	1.426	28 6¼	1.449	28 11¼	1.472	29 5¼
8	1.4363	28 8½	1.4595	29 2¼	1.4826	29 7¼
280	1.446	28 11¼	1.47	29 4¼	1.493	29 10¼
2	1.457	29 1¼	1.4805	29 7	1.504	30 1
4	1.4673	29 4¼	1.491	29 9¼	1.5146	30 3½
6	1.4776	29 6½	1.5015	30 0¼	1.5253	30 6
8	1.488	29 9	1.512	30 3	1.536	30 8½
290	1.4983	29 11½	1.5225	30 5¼	1.546	30 11¼
2	1.5086	30 2	1.533	30 7¼	1.5573	31 1¼
4	1.519	30 4½	1.5435	30 10¼	1.568	31 4¼
6	1.5293	30 7	1.554	31 1	1.5786	31 6¼
8	1.5396	30 9½	1.5645	31 3½	1.5893	31 9¼
300	1.55	31 0	1.575	31 6	1.6	32 0

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 31s.			At Lbs. 300 for 31s. 6d.			At Lbs. 300 for 32s.		
Lbs.	£	or	s. d.	£	or	s. d.	£	or	s. d.
300	1.55		31 0	1.575		31 6	1.6		32 0
2	1.5603		31 2½	1.5855		31 8½	1.6106		32 2½
4	1.5706		31 4¾	1.596		31 11	1.6213		32 5
6	1.581		31 7½	1.6065		32 1½	1.632		32 7¾
8	1.5913		31 9¾	1.617		32 4	1.6426		32 10¼
310	1.6016		32 0¼	1.6275		32 6½	1.653		33 0¾
2	1.612		32 3	1.638		32 9	1.664		33 3½
4	1.6223		32 5¼	1.6485		32 11½	1.6746		33 6
6	1.6326		32 7¾	1.659		33 2¼	1.6853		33 8½
8	1.643		32 10¼	1.6695		33 4½	1.696		33 11
320	1.653		33 0¾	1.68		33 7¼	1.706		34 1½
2	1.6636		33 3¼	1.6905		33 9½	1.7173		34 4
4	1.674		33 5¾	1.701		34 0¼	1.728		34 6¾
6	1.6843		33 8	1.7115		34 2¾	1.7386		34 9¼
8	1.6946		33 10¾	1.722		34 5¼	1.7493		34 11¾
330	1.705		34 1¼	1.7325		34 7¾	1.76		35 2½
2	1.7153		34 3¾	1.743		34 10¼	1.7706		35 4¾
4	1.7256		34 6	1.7535		35 0¾	1.7813		35 7½
6	1.736		34 8½	1.764		35 3½	1.792		35 10
8	1.7463		34 11	1.7745		35 5¾	1.8026		36 0½
340	1.756		35 1½	1.785		35 8½	1.813		36 3¼
2	1.767		35 4¼	1.7955		35 10¾	1.824		36 5¾
4	1.7773		35 6½	1.806		36 1½	1.8346		36 8¼
6	1.7876		35 9	1.8165		36 4	1.8453		36 10¾
8	1.798		35 11½	1.827		36 6½	1.856		37 1½
350	1.8083		36 2	1.8375		36 9	1.86		37 4

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 32s. 6d.			At Lbs. 300 for 33s.			At Lbs. 300 for 33s. 6d.		
Lbs.	£	or	s. d.	£	or	s. d.	£	or	s. d.
250	1.35416		27 1	1.375		27 6	1.39583		27 11
2	1.365		27 3 $\frac{1}{4}$	1.386		27 8 $\frac{1}{2}$	1.407		28 1 $\frac{3}{4}$
4	1.37583		27 6	1.397		27 11 $\frac{1}{4}$	1.41816		28 4 $\frac{1}{4}$
6	1.386		27 8 $\frac{1}{4}$	1.408		28 2	1.4293		28 7
8	1.3975		27 11 $\frac{1}{4}$	1.419		28 4 $\frac{1}{2}$	1.4405		28 9 $\frac{1}{2}$
260	1.4083		28 2	1.43		28 7 $\frac{1}{4}$	1.4516		29 0 $\frac{1}{4}$
2	1.41916		28 4 $\frac{1}{2}$	1.441		28 9 $\frac{3}{4}$	1.46283		29 3
4	1.43		28 7 $\frac{1}{4}$	1.452		29 0 $\frac{1}{2}$	1.474		29 5 $\frac{3}{4}$
6	1.44083		28 9 $\frac{3}{4}$	1.463		29 3 $\frac{1}{4}$	1.48516		29 8 $\frac{1}{4}$
8	1.4516		29 0 $\frac{1}{4}$	1.474		29 5 $\frac{3}{4}$	1.4963		29 11
270	1.4625		29 3	1.485		29 8 $\frac{1}{4}$	1.5075		30 1 $\frac{3}{4}$
2	1.473		29 5 $\frac{1}{2}$	1.496		29 11	1.5186		30 4 $\frac{1}{4}$
4	1.48416		29 8	1.507		30 1 $\frac{3}{4}$	1.52983		30 7
6	1.495		29 10 $\frac{3}{4}$	1.518		30 4 $\frac{1}{4}$	1.541		30 9 $\frac{3}{4}$
8	1.50583		30 1 $\frac{1}{4}$	1.529		30 7	1.55216		31 0 $\frac{1}{2}$
280	1.516		30 4	1.54		30 9 $\frac{1}{2}$	1.563		31 3 $\frac{1}{4}$
2	1.5275		30 6 $\frac{1}{2}$	1.551		31 0 $\frac{1}{4}$	1.5745		31 5 $\frac{3}{4}$
4	1.5383		30 9	1.562		31 3	1.5856		31 8 $\frac{1}{2}$
6	1.54916		30 11 $\frac{3}{4}$	1.573		31 5 $\frac{1}{2}$	1.59683		31 11 $\frac{1}{4}$
8	1.56		31 2 $\frac{1}{2}$	1.584		31 8	1.608		32 2
290	1.57083		31 5	1.595		31 10 $\frac{3}{4}$	1.61916		32 4 $\frac{1}{2}$
2	1.5816		31 7 $\frac{1}{2}$	1.606		32 1 $\frac{1}{2}$	1.6303		32 7 $\frac{1}{4}$
4	1.5925		31 10	1.617		32 4	1.6415		32 9 $\frac{3}{4}$
6	1.603		32 0 $\frac{3}{4}$	1.628		32 6 $\frac{3}{4}$	1.6526		33 0 $\frac{1}{2}$
8	1.61416		32 3 $\frac{1}{2}$	1.639		32 9 $\frac{1}{4}$	1.66383		33 3 $\frac{1}{4}$
300	1.625		32 6	1.65		33 0	1.675		33 6

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lb.	At Lbs. 300 for 32s. 6d.		At Lbs. 300 for 33s.		At Lbs. 300 for 33s. 6d.	
	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	1.625	32 6	1.65	33 0	1.675	33 6
2	1.63583	32 8½	1.661	33 2¾	1.68616	33 8½
4	1.646	32 11	1.672	33 5¼	1.6973	33 11¼
6	1.6575	33 1¾	1.683	33 7¾	1.7085	34 2
8	1.6683	33 4¼	1.694	33 10½	1.7196	34 4½
310	1.67916	33 7	1.705	34 1¼	1.73083	34 7¼
2	1.69	33 9½	1.716	34 3¾	1.742	34 10
4	1.70083	34 0	1.727	34 6½	1.75316	35 0¾
6	1.7116	34 2¾	1.738	34 9	1.7643	35 3½
8	1.7225	34 5¼	1.749	34 11¾	1.7755	35 6
320	1.73	34 8	1.76	35 2½	1.786	35 8¾
2	1.74416	34 10½	1.771	35 5	1.79783	35 11½
4	1.755	35 1¼	1.782	35 7½	1.809	36 2¼
6	1.76583	35 3¾	1.793	35 10¼	1.82016	36 4¾
8	1.776	35 6¼	1.804	36 1	1.8313	36 7½
330	1.7875	35 9	1.815	36 3¾	1.8425	36 10¼
2	1.7983	35 11½	1.826	36 6¼	1.8536	37 0¾
4	1.80916	36 2¼	1.837	36 9	1.86483	37 3½
6	1.82	36 4¾	1.848	36 11½	1.876	37 6¼
8	1.83083	36 7¼	1.859	37 2¼	1.88716	37 8¾
340	1.8416	36 10	1.87	37 4¾	1.8983	37 11½
2	1.8525	37 0½	1.881	37 7½	1.9095	38 2¼
4	1.863	37 3¼	1.892	37 10	1.9206	38 4¾
6	1.87416	37 5¾	1.903	38 0¾	1.93183	38 7½
8	1.885	37 8¼	1.914	38 3¼	1.943	38 10¼
350	1.89583	37 11	1.925	38 6	1.95416	39 1

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lbs.	At Lbs. 300 for 34s.		At Lbs. 300 for 34s. 6d.		At Lbs. 300 for 35s.	
	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	1.416	28 4	1.4375	28 9	1.4583	29 2
2	1.428	28 6 $\frac{3}{4}$	1.449	28 11 $\frac{3}{4}$	1.47	29 4 $\frac{3}{4}$
4	1.4393	28 9 $\frac{1}{4}$	1.4605	29 2 $\frac{1}{2}$	1.4816	29 7 $\frac{1}{2}$
6	1.4506	29 0 $\frac{1}{4}$	1.472	29 5 $\frac{1}{4}$	1.493	29 10 $\frac{1}{4}$
8	1.462	29 3	1.4835	29 8	1.505	30 1 $\frac{1}{4}$
260	1.473	29 5 $\frac{1}{2}$	1.495	29 10 $\frac{3}{4}$	1.516	30 4
2	1.4846	29 8 $\frac{1}{4}$	1.5065	30 1 $\frac{1}{2}$	1.5283	30 6 $\frac{3}{4}$
4	1.496	29 11	1.518	30 4 $\frac{1}{4}$	1.54	30 9 $\frac{1}{2}$
6	1.5073	30 1 $\frac{3}{4}$	1.5295	30 7	1.5516	31 0 $\frac{1}{4}$
8	1.5186	30 4 $\frac{1}{2}$	1.541	30 9 $\frac{3}{4}$	1.563	31 3 $\frac{1}{4}$
270	1.53	30 7 $\frac{1}{4}$	1.5525	31 0 $\frac{1}{2}$	1.575	31 6
2	1.5413	30 9 $\frac{3}{4}$	1.564	31 3 $\frac{1}{2}$	1.586	31 8 $\frac{3}{4}$
4	1.5526	31 0 $\frac{3}{4}$	1.5755	31 6	1.5983	31 11 $\frac{1}{2}$
6	1.564	31 3 $\frac{1}{2}$	1.587	31 8 $\frac{3}{4}$	1.61	32 2 $\frac{1}{2}$
8	1.5753	31 6	1.5985	31 11 $\frac{1}{2}$	1.6216	32 5
280	1.586	31 8 $\frac{3}{4}$	1.61	32 2 $\frac{1}{4}$	1.63	32 8
2	1.598	31 11 $\frac{1}{2}$	1.6215	32 5	1.645	32 10 $\frac{3}{4}$
4	1.6093	32 2 $\frac{1}{4}$	1.633	32 7 $\frac{3}{4}$	1.656	33 1 $\frac{1}{2}$
6	1.6206	32 4 $\frac{3}{4}$	1.6445	32 10 $\frac{1}{2}$	1.6683	33 4 $\frac{1}{4}$
8	1.632	32 7 $\frac{1}{2}$	1.656	33 1 $\frac{1}{2}$	1.68	33 7 $\frac{1}{4}$
290	1.643	32 10 $\frac{1}{4}$	1.6675	33 4 $\frac{1}{4}$	1.6916	33 10
2	1.6546	33 1 $\frac{1}{4}$	1.679	33 7	1.703	34 0 $\frac{3}{4}$
4	1.666	33 3 $\frac{3}{4}$	1.6905	33 9 $\frac{3}{4}$	1.715	34 3 $\frac{3}{4}$
6	1.6773	33 6 $\frac{1}{2}$	1.702	34 0 $\frac{1}{2}$	1.726	34 6 $\frac{1}{4}$
8	1.6886	33 9 $\frac{1}{4}$	1.7135	34 3 $\frac{1}{4}$	1.7383	34 9
300	1.7	34 0	1.725	34 6	1.75	35 0

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 34s.		At Lbs. 300 for 34s. 6d.		At Lbs. 300 for 35s.	
Lbs.	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	1.7	34 0	1.725	34 6	1.75	35 0
2	1.7113	34 2 $\frac{3}{4}$	1.7365	34 8 $\frac{3}{4}$	1.7616	35 2 $\frac{3}{4}$
4	1.7226	34 5 $\frac{1}{4}$	1.748	34 11 $\frac{1}{2}$	1.773	35 5 $\frac{1}{2}$
6	1.734	34 8	1.7595	35 2 $\frac{1}{4}$	1.785	35 8 $\frac{1}{4}$
8	1.7453	34 10 $\frac{3}{4}$	1.771	35 5	1.796	35 11
310	1.756	35 1 $\frac{1}{2}$	1.7825	35 7 $\frac{3}{4}$	1.8083	36 2
2	1.768	35 4 $\frac{1}{4}$	1.794	35 10 $\frac{1}{2}$	1.82	36 4 $\frac{3}{4}$
4	1.7793	35 7	1.8055	36 1 $\frac{1}{4}$	1.8316	36 7 $\frac{1}{2}$
6	1.7906	35 9 $\frac{3}{4}$	1.817	36 4	1.843	36 10 $\frac{1}{4}$
8	1.802	36 0 $\frac{1}{2}$	1.8285	36 6 $\frac{3}{4}$	1.855	37 1 $\frac{1}{4}$
320	1.813	36 3 $\frac{1}{4}$	1.84	36 9 $\frac{1}{2}$	1.86	37 4
2	1.8246	36 5 $\frac{3}{4}$	1.8515	37 0 $\frac{1}{4}$	1.8783	37 6 $\frac{3}{4}$
4	1.836	36 8 $\frac{1}{2}$	1.863	37 3 $\frac{1}{4}$	1.89	37 9 $\frac{1}{2}$
6	1.8473	36 11 $\frac{1}{4}$	1.8745	37 5 $\frac{3}{4}$	1.9016	38 0 $\frac{1}{4}$
8	1.8586	37 2	1.886	37 8 $\frac{1}{2}$	1.913	38 3 $\frac{1}{4}$
330	1.87	37 4 $\frac{3}{4}$	1.8975	37 11 $\frac{1}{2}$	1.925	38 6
2	1.8813	37 7 $\frac{1}{2}$	1.909	38 2 $\frac{1}{4}$	1.936	38 8 $\frac{3}{4}$
4	1.8926	37 10 $\frac{1}{4}$	1.9205	38 4 $\frac{3}{4}$	1.9483	38 11 $\frac{1}{2}$
6	1.904	38 1	1.932	38 7 $\frac{1}{2}$	1.96	39 2 $\frac{1}{2}$
8	1.9153	38 3 $\frac{3}{4}$	1.9435	38 10 $\frac{1}{4}$	1.9716	39 5 $\frac{1}{4}$
340	1.926	38 6 $\frac{1}{2}$	1.955	39 1 $\frac{1}{4}$	1.983	39 8
2	1.938	38 9	1.9665	39 4	1.995	39 10 $\frac{3}{4}$
4	1.9493	38 11 $\frac{3}{4}$	1.978	39 6 $\frac{3}{4}$	2.006	40 1 $\frac{1}{2}$
6	1.9606	39 2 $\frac{1}{2}$	1.9895	39 9 $\frac{1}{2}$	2.0183	40 4 $\frac{1}{4}$
8	1.972	39 5 $\frac{1}{4}$	2.001	40 0 $\frac{1}{4}$	2.03	40 7 $\frac{1}{4}$
350	1.983	39 8	2.0125	40 3	2.0416	40 10

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 35s. 6d.			At Lbs. 300 for 36s.			At Lbs. 300 for 36s. 6d.		
Lbs.	£	or	s. d.	£	or	s. d.	£	or	s. d.
250	1.47916		29 7	1.5		30 0	1.52083		30 5
2	1.491		29 9 $\frac{3}{4}$	1.512		30 3	1.533		30 7 $\frac{3}{4}$
4	1.50283		30 0 $\frac{1}{2}$	1.524		30 5 $\frac{1}{2}$	1.54516		30 10 $\frac{1}{4}$
6	1.5146		30 3 $\frac{1}{2}$	1.536		30 8 $\frac{1}{2}$	1.5573		31 1 $\frac{1}{4}$
8	1.5265		30 6 $\frac{1}{4}$	1.548		30 11 $\frac{1}{2}$	1.5695		31 4 $\frac{1}{2}$
260	1.5383		30 9 $\frac{1}{4}$	1.56		31 2 $\frac{1}{2}$	1.5816		31 7 $\frac{1}{2}$
2	1.55016		31 0	1.572		31 5 $\frac{1}{4}$	1.59383		31 10 $\frac{1}{2}$
4	1.562		31 3	1.584		31 8	1.606		32 1 $\frac{1}{2}$
6	1.57383		31 5 $\frac{3}{4}$	1.596		31 11	1.61816		32 4 $\frac{1}{4}$
8	1.5856		31 8 $\frac{1}{2}$	1.608		32 2	1.6303		32 7 $\frac{1}{4}$
270	1.5975		31 11 $\frac{1}{2}$	1.62		32 4 $\frac{3}{4}$	1.6425		32 10 $\frac{1}{4}$
2	1.6093		32 2 $\frac{1}{4}$	1.632		32 7 $\frac{1}{2}$	1.6546		33 1
4	1.62116		32 5	1.644		32 10 $\frac{1}{2}$	1.66683		33 4
6	1.633		32 8	1.656		33 1 $\frac{1}{2}$	1.679		33 7
8	1.64483		32 10 $\frac{3}{4}$	1.668		33 4 $\frac{1}{4}$	1.69116		33 9 $\frac{3}{4}$
280	1.656		33 1 $\frac{1}{2}$	1.68		33 7 $\frac{1}{4}$	1.703		34 0 $\frac{1}{4}$
2	1.6685		33 4 $\frac{1}{2}$	1.692		33 10	1.7155		34 3 $\frac{3}{4}$
4	1.6803		33 7 $\frac{1}{4}$	1.704		34 1	1.7276		34 6 $\frac{1}{2}$
6	1.69216		33 10	1.716		34 3 $\frac{3}{4}$	1.73983		34 9 $\frac{1}{2}$
8	1.704		34 1	1.728		34 6 $\frac{3}{4}$	1.752		35 0 $\frac{1}{2}$
290	1.71583		34 3 $\frac{3}{4}$	1.74		34 9 $\frac{1}{2}$	1.76416		35 3 $\frac{1}{2}$
2	1.7276		34 6 $\frac{1}{2}$	1.752		35 0 $\frac{1}{2}$	1.7763		35 6 $\frac{1}{4}$
4	1.7395		34 9 $\frac{1}{4}$	1.764		35 3 $\frac{1}{2}$	1.7885		35 9 $\frac{1}{4}$
6	1.7513		35 0 $\frac{1}{4}$	1.776		35 6 $\frac{1}{4}$	1.8006		36 0
8	1.76316		35 3 $\frac{1}{4}$	1.788		35 9	1.81283		36 3
300	1.775		35 6	1.8		36 0	1.825		36 6

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 35s. 6d.		At Lbs. 300 for 36s.		At Lbs. 300 for 36s. 6d.	
Lb.	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	1.775	35 6	1.8	36 0	1.825	36 6
2	1.78683	35 9	1.812	36 3	1.83716	36 9
4	1.7986	35 11 $\frac{3}{4}$	1.824	36 5 $\frac{3}{4}$	1.8493	36 11 $\frac{3}{4}$
6	1.8105	36 2 $\frac{1}{2}$	1.836	36 8 $\frac{1}{2}$	1.8615	37 2 $\frac{3}{4}$
8	1.8223	36 5 $\frac{1}{4}$	1.848	36 11 $\frac{1}{2}$	1.8736	37 5 $\frac{1}{2}$
310	1.83416	36 8 $\frac{1}{4}$	1.86	37 2 $\frac{1}{2}$	1.88583	37 8 $\frac{1}{2}$
2	1.846	36 11	1.872	37 5 $\frac{1}{4}$	1.898	37 11 $\frac{1}{2}$
4	1.85783	37 1 $\frac{3}{4}$	1.884	37 8	1.91016	38 2 $\frac{1}{2}$
6	1.8696	37 4 $\frac{3}{4}$	1.896	37 11	1.9223	38 5 $\frac{1}{4}$
8	1.8815	37 7 $\frac{1}{2}$	1.908	38 2	1.9345	38 8 $\frac{1}{4}$
320	1.893	37 10 $\frac{1}{4}$	1.92	38 4 $\frac{3}{4}$	1.946	38 11 $\frac{1}{4}$
2	1.90516	38 1 $\frac{1}{4}$	1.932	38 7 $\frac{1}{2}$	1.95883	39 2
4	1.917	38 4 $\frac{1}{4}$	1.944	38 10 $\frac{1}{2}$	1.971	39 5
6	1.92883	38 7	1.956	39 1 $\frac{1}{2}$	1.98316	39 7 $\frac{3}{4}$
8	1.9406	38 9 $\frac{3}{4}$	1.968	39 4 $\frac{1}{4}$	1.9953	39 10 $\frac{3}{4}$
330	1.9525	39 0 $\frac{1}{2}$	1.98	39 7 $\frac{1}{4}$	2.0075	40 1 $\frac{3}{4}$
2	1.9643	39 3 $\frac{1}{2}$	1.992	39 10	2.0196	40 4 $\frac{3}{4}$
4	1.97616	39 6 $\frac{1}{4}$	2.004	40 1	2.03183	40 7 $\frac{1}{2}$
6	1.988	39 9	2.016	40 4	2.044	40 10 $\frac{1}{2}$
8	1.99983	40 0	2.028	40 6 $\frac{3}{4}$	2.05616	41 1 $\frac{1}{2}$
340	2.0116	40 2 $\frac{3}{4}$	2.04	40 9 $\frac{1}{2}$	2.0683	41 4 $\frac{1}{4}$
2	2.0235	40 5 $\frac{1}{2}$	2.052	41 0 $\frac{1}{2}$	2.0805	41 7 $\frac{1}{4}$
4	2.0353	40 8 $\frac{1}{4}$	2.064	41 3 $\frac{1}{2}$	2.0926	41 10
6	2.04716	40 11 $\frac{1}{4}$	2.076	41 6 $\frac{1}{4}$	2.10483	42 1
8	2.059	41 2 $\frac{1}{4}$	2.088	41 9	2.117	42 4
350	2.07083	41 5	2.1	42 0	2.12916	42 7

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 37s.		At Lbs. 300 for 37s. 6d.		At Lbs. 300 for 38s.	
Lbs.	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	1.5416	30 10	1.5625	31 3	1.583	31 8
2	1.554	31 1	1.575	31 6	1.596	31 11
4	1.5663	31 4	1.5875	31 9	1.6086	32 2
6	1.5786	31 6½	1.6	32 0	1.6213	32 5
8	1.591	31 9½	1.6125	32 3	1.634	32 8
260	1.603	32 0½	1.625	32 6	1.646	32 11
2	1.6156	32 3½	1.6375	32 9	1.6593	33 2½
4	1.628	32 6½	1.65	33 0	1.672	33 5½
6	1.6403	32 9½	1.6625	33 3	1.6846	33 8½
8	1.6526	33 0½	1.675	33 6	1.6973	33 11½
270	1.665	33 3½	1.6875	33 9	1.71	34 2½
2	1.6773	33 6½	1.7	34 0	1.7226	34 5½
4	1.6896	33 9½	1.7125	34 3	1.7353	34 8½
6	1.702	34 0½	1.725	34 6	1.748	34 11½
8	1.7143	34 3½	1.7375	34 9	1.7606	35 2½
280	1.726	34 6½	1.75	35 0	1.773	35 5½
2	1.739	34 9½	1.7625	35 3	1.786	35 8½
4	1.7513	35 0½	1.775	35 6	1.7986	35 11½
6	1.7636	35 3½	1.7875	35 9	1.8113	36 2½
8	1.776	35 6½	1.8	36 0	1.824	36 5½
290	1.7883	35 9½	1.8125	36 3	1.836	36 8½
2	1.8006	36 0	1.825	36 6	1.8493	36 11½
4	1.813	36 3½	1.8375	36 9	1.862	37 3
6	1.8253	36 6	1.85	37 0	1.8746	37 6
8	1.8376	36 9	1.8625	37 3	1.8873	37 9
300	1.85	37 0	1.875	37 6	1.9	38 0

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 37s.		At Lbs. 300 for 37s. 6d.		At Lbs. 300 for 38s.	
Lbs.	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	1.85	37 0	1.875	37 6	1.9	38 0
2	1.8623	37 3	1.8875	37 9	1.9126	38 3
4	1.8746	37 5½	1.9	38 0	1.9253	38 6
6	1.887	37 9	1.9125	38 3	1.938	38 9
8	1.8993	37 11½	1.925	38 6	1.9506	39 0
310	1.9116	38 2½	1.9375	38 9	1.963	39 3¼
2	1.924	38 5½	1.95	39 0	1.976	39 6½
4	1.9363	38 8½	1.9625	39 3	1.9886	39 9¼
6	1.9486	38 11½	1.975	39 6	2.0013	40 0¼
8	1.961	39 2½	1.9875	39 9	2.014	40 3½
320	1.973	39 5½	2.	40 0	2.026	40 6½
2	1.9856	39 8½	2.0125	40 3	2.0393	40 9½
4	1.998	39 11½	2.025	40 6	2.052	41 0½
6	2.0103	40 2½	2.0375	40 9	2.0646	41 3½
8	2.0226	40 5½	2.05	41 0	2.0773	41 6½
330	2.035	40 8½	2.0625	41 3	2.09	41 9½
2	2.0473	40 11¼	2.075	41 6	2.1026	42 0½
4	2.0596	41 2¼	2.0875	41 9	2.1153	42 3¼
6	2.072	41 5¼	2.1	42 0	2.128	42 6¾
8	2.0843	41 8¼	2.1125	42 3	2.1406	42 9¾
340	2.096	41 11¼	2.125	42 6	2.153	43 0¾
2	2.109	42 2¼	2.1375	42 9	2.166	43 3¾
4	2.1213	42 5¼	2.15	43 0	2.1786	43 6¾
6	2.1336	42 8	2.1625	43 3	2.1913	43 9¾
8	2.146	42 11	2.175	43 6	2.204	44 1
350	2.1583	43 2	2.1875	43 9	2.216	44 4

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 38s. 6d.		At Lbs. 300 for 39s.		At Lbs. 300 for 39s. 6d.	
Lbs.	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	1.60416	32 1	1.625	32 6	1.64583	32 11
2	1.617	32 4 $\frac{1}{4}$	1.638	32 9	1.659	33 2 $\frac{1}{4}$
4	1.62983	32 7	1.651	33 0 $\frac{1}{4}$	1.67216	33 5 $\frac{1}{4}$
6	1.6426	32 10	1.664	33 3 $\frac{1}{2}$	1.6853	33 8 $\frac{1}{4}$
8	1.6555	33 1 $\frac{1}{4}$	1.677	33 6 $\frac{1}{2}$	1.6985	33 11 $\frac{1}{2}$
260	1.6683	33 4 $\frac{1}{2}$	1.69	33 9 $\frac{1}{2}$	1.7116	34 2 $\frac{3}{4}$
2	1.68116	33 7 $\frac{1}{2}$	1.703	34 0 $\frac{3}{4}$	1.72483	34 6
4	1.694	33 10 $\frac{1}{2}$	1.716	34 4	1.738	34 9
6	1.70683	34 1 $\frac{1}{2}$	1.729	34 7	1.75116	35 0 $\frac{1}{4}$
8	1.7196	34 4 $\frac{3}{4}$	1.742	34 10	1.7643	35 3 $\frac{1}{2}$
270	1.7325	34 7 $\frac{3}{4}$	1.755	35 1 $\frac{1}{4}$	1.7775	35 6 $\frac{1}{2}$
2	1.7453	34 10 $\frac{3}{4}$	1.768	35 4 $\frac{1}{4}$	1.7906	35 9 $\frac{3}{4}$
4	1.75816	35 2	1.781	35 7 $\frac{1}{4}$	1.80383	36 0 $\frac{3}{4}$
6	1.771	35 5	1.794	35 10 $\frac{1}{2}$	1.817	36 4 $\frac{1}{4}$
8	1.78383	35 8	1.807	36 1 $\frac{3}{4}$	1.83016	36 7 $\frac{1}{4}$
280	1.796	35 11 $\frac{1}{4}$	1.82	36 4 $\frac{3}{4}$	1.843	36 10 $\frac{1}{2}$
2	1.8095	36 2 $\frac{1}{4}$	1.833	36 7 $\frac{3}{4}$	1.8565	37 1 $\frac{1}{2}$
4	1.8223	36 5 $\frac{1}{4}$	1.846	36 11	1.8696	37 4 $\frac{3}{4}$
6	1.83516	36 8 $\frac{1}{2}$	1.859	37 2 $\frac{1}{4}$	1.88283	37 7 $\frac{3}{4}$
8	1.848	36 11 $\frac{1}{2}$	1.872	37 5 $\frac{1}{4}$	1.896	37 11
290	1.86083	37 2 $\frac{1}{2}$	1.885	37 8 $\frac{1}{2}$	1.90916	38 2 $\frac{1}{4}$
2	1.8736	37 5 $\frac{1}{2}$	1.898	37 11 $\frac{1}{2}$	1.9223	38 5 $\frac{1}{4}$
4	1.8865	37 8 $\frac{3}{4}$	1.911	38 2 $\frac{3}{4}$	1.9355	38 8 $\frac{1}{2}$
6	1.8993	38 0	1.924	38 5 $\frac{3}{4}$	1.9486	38 11 $\frac{3}{4}$
8	1.91216	38 3	1.937	38 9	1.96183	39 2 $\frac{3}{4}$
300	1.925	38 6	1.95	39 0	1.975	39 6

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lb.	At Lbs. 300 for 38s. 6d.		At Lbs. 300 for 39s.		At Lbs. 300 for 39s. 6d.	
	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	1.925	38 6	1.95	39 0	1.975	39 6
2	1.93783	38 9	1.963	39 3 $\frac{1}{4}$	1.98816	39 9
4	1.9506	39 0	1.976	39 6 $\frac{1}{4}$	2.0013	40 0 $\frac{1}{4}$
6	1.9635	39 3 $\frac{1}{4}$	1.989	39 9 $\frac{1}{4}$	2.0145	40 3 $\frac{1}{2}$
8	1.9763	39 6 $\frac{1}{4}$	2.002	40 0 $\frac{1}{2}$	2.0276	40 6 $\frac{1}{2}$
310	1.98916	39 9 $\frac{1}{2}$	2.015	40 3 $\frac{3}{4}$	2.04083	40 9 $\frac{3}{4}$
2	2.002	40 0 $\frac{1}{2}$	2.028	40 6 $\frac{3}{4}$	2.054	41 1
4	2.01483	40 3 $\frac{1}{2}$	2.041	40 9 $\frac{3}{4}$	2.06716	41 4 $\frac{1}{4}$
6	2.0276	40 6 $\frac{1}{2}$	2.054	41 1	2.0803	41 7 $\frac{1}{4}$
8	2.0405	40 9 $\frac{1}{2}$	2.067	41 4 $\frac{1}{4}$	2.0935	41 10 $\frac{1}{4}$
320	2.053	41 0 $\frac{3}{4}$	2.08	41 7 $\frac{1}{4}$	2.106	42 1 $\frac{1}{2}$
2	2.06616	41 4	2.093	41 10 $\frac{1}{4}$	2.11983	42 4 $\frac{3}{4}$
4	2.079	41 7	2.106	42 1 $\frac{1}{2}$	2.133	42 8
6	2.09183	41 10	2.119	42 4 $\frac{1}{2}$	2.14616	42 11
8	2.1046	42 1	2.132	42 7 $\frac{1}{2}$	2.1593	43 2 $\frac{1}{4}$
330	2.1175	42 4 $\frac{1}{4}$	2.145	42 10 $\frac{3}{4}$	2.1725	43 5 $\frac{1}{2}$
2	2.1303	42 7	2.158	43 2	2.1856	43 8 $\frac{1}{2}$
4	2.14316	42 10 $\frac{1}{4}$	2.171	43 5	2.19883	43 11 $\frac{3}{4}$
6	2.156	43 1 $\frac{1}{2}$	2.184	43 8	2.212	44 3
8	2.16883	43 4 $\frac{1}{2}$	2.197	43 11 $\frac{1}{4}$	2.22516	44 6
340	2.1816	43 7 $\frac{1}{2}$	2.21	44 2 $\frac{1}{2}$	2.2383	44 9 $\frac{1}{4}$
2	2.1945	43 10 $\frac{1}{2}$	2.223	44 5 $\frac{1}{2}$	2.2515	45 0 $\frac{1}{4}$
4	2.2073	44 1 $\frac{3}{4}$	2.236	44 8 $\frac{3}{4}$	2.2646	45 3 $\frac{1}{2}$
6	2.22016	44 4 $\frac{3}{4}$	2.249	44 11 $\frac{3}{4}$	2.27783	45 6 $\frac{1}{2}$
8	2.233	44 8	2.262	45 3	2.291	45 9 $\frac{3}{4}$
350	2.24583	44 11	2.275	45 6	2.30416	46 1

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 40s.		At Lbs. 300 for 40s. 6d.		At Lbs. 300 for 41s.	
Lbs.	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	1.6	33 4	1.6875	33 9	1.7083	34 2
2	1.68	33 7 $\frac{1}{4}$	1.701	34 0 $\frac{1}{4}$	1.722	34 5 $\frac{1}{4}$
4	1.693	33 10 $\frac{1}{4}$	1.7145	34 3 $\frac{1}{2}$	1.7356	34 8 $\frac{1}{2}$
6	1.706	34 1 $\frac{1}{2}$	1.728	34 6 $\frac{1}{4}$	1.7493	34 11 $\frac{1}{4}$
8	1.72	34 4 $\frac{3}{4}$	1.7415	34 10	1.763	35 3 $\frac{1}{4}$
260	1.73	34 8	1.755	35 1 $\frac{1}{4}$	1.776	35 6 $\frac{1}{2}$
2	1.746	34 11 $\frac{1}{4}$	1.7685	35 4 $\frac{1}{2}$	1.7903	35 9 $\frac{1}{2}$
4	1.76	35 2 $\frac{1}{2}$	1.782	35 7 $\frac{3}{4}$	1.804	36 1
6	1.773	35 5 $\frac{1}{2}$	1.7955	35 10 $\frac{3}{4}$	1.8176	36 4 $\frac{1}{4}$
8	1.786	35 8 $\frac{3}{4}$	1.809	36 2 $\frac{1}{4}$	1.8313	36 7 $\frac{1}{2}$
270	1.8	36 0	1.8225	36 5 $\frac{1}{4}$	1.845	36 10 $\frac{3}{4}$
2	1.813	36 3 $\frac{1}{4}$	1.836	36 8 $\frac{1}{2}$	1.8586	37 2
4	1.826	36 6 $\frac{1}{2}$	1.8495	36 11 $\frac{3}{4}$	1.8723	37 5 $\frac{1}{4}$
6	1.84	36 9 $\frac{1}{2}$	1.863	37 3 $\frac{1}{4}$	1.886	37 8 $\frac{1}{2}$
8	1.853	37 0 $\frac{3}{4}$	1.8765	37 6 $\frac{1}{4}$	1.8996	37 11 $\frac{3}{4}$
280	1.86	37 4	1.89	37 9 $\frac{1}{2}$	1.913	38 3 $\frac{1}{4}$
2	1.88	37 7 $\frac{1}{4}$	1.9035	38 0 $\frac{3}{4}$	1.927	38 6 $\frac{1}{2}$
4	1.893	37 10 $\frac{1}{4}$	1.917	38 4	1.9406	38 9 $\frac{3}{4}$
6	1.906	38 1 $\frac{1}{2}$	1.9305	38 7 $\frac{1}{4}$	1.9543	39 1
8	1.92	38 4 $\frac{3}{4}$	1.944	38 10 $\frac{1}{2}$	1.968	39 4 $\frac{1}{4}$
290	1.93	38 8	1.9575	39 1 $\frac{3}{4}$	1.9816	39 7 $\frac{3}{4}$
2	1.946	38 11 $\frac{1}{4}$	1.971	39 5	1.9953	39 10 $\frac{3}{4}$
4	1.96	39 2 $\frac{1}{2}$	1.9845	39 8 $\frac{1}{4}$	2.009	40 2 $\frac{1}{4}$
6	1.973	39 5 $\frac{1}{2}$	1.998	39 11 $\frac{1}{2}$	2.0226	40 5 $\frac{1}{2}$
8	1.986	39 8 $\frac{3}{4}$	2.0115	40 2 $\frac{3}{4}$	2.0363	40 8 $\frac{1}{2}$
300	2.	40 0	2.025	40 6	2.05	41 0

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 40s.			At Lbs. 300 for 40s. 6d.			At Lbs. 300 for 41s.		
Lbs.	£	or	s. d.	£	or	s. d.	£	or	s. d.
300	2.		40 0	2.025		40 6	2.05		41 0
2	2.013		40 3 $\frac{1}{4}$	2.0385		40 9	2.0636		41 3 $\frac{1}{4}$
4	2.026		40 6 $\frac{1}{4}$	2.052		41 0 $\frac{1}{2}$	2.0773		41 6 $\frac{1}{2}$
6	2.04		40 9 $\frac{1}{2}$	2.0655		41 3 $\frac{3}{4}$	2.091		41 9 $\frac{3}{4}$
8	2.053		41 0 $\frac{3}{4}$	2.079		41 7	2.1046		42 1
310	2.06		41 4	2.0925		41 10 $\frac{1}{4}$	2.1183		42 4 $\frac{1}{2}$
2	2.08		41 7 $\frac{1}{4}$	2.106		42 1 $\frac{1}{2}$	2.132		42 7 $\frac{3}{4}$
4	2.093		41 10 $\frac{1}{4}$	2.1195		42 4 $\frac{1}{2}$	2.1456		42 11
6	2.106		42 1 $\frac{1}{2}$	2.133		42 7 $\frac{3}{4}$	2.1593		43 2 $\frac{1}{4}$
8	2.12		42 4 $\frac{3}{4}$	2.1465		42 11	2.173		43 5 $\frac{1}{2}$
320	2.13		42 8	2.16		43 2 $\frac{1}{2}$	2.186		43 8 $\frac{3}{4}$
2	2.146		42 11 $\frac{1}{4}$	2.1735		43 5 $\frac{1}{2}$	2.2003		44 0
4	2.16		43 2 $\frac{1}{2}$	2.187		43 8 $\frac{3}{4}$	2.214		44 3 $\frac{1}{2}$
6	2.173		43 5 $\frac{1}{2}$	2.2005		44 0	2.2276		44 6 $\frac{1}{2}$
8	2.186		43 8 $\frac{3}{4}$	2.214		44 3 $\frac{1}{4}$	2.2413		44 9 $\frac{3}{4}$
330	2.2		44 0	2.2275		44 6 $\frac{1}{2}$	2.255		45 1 $\frac{1}{4}$
2	2.213		44 3 $\frac{1}{4}$	2.241		44 9 $\frac{3}{4}$	2.2686		45 4 $\frac{1}{2}$
4	2.226		44 6 $\frac{1}{4}$	2.2545		45 1	2.2823		45 7 $\frac{3}{4}$
6	2.24		44 9 $\frac{1}{2}$	2.268		45 4 $\frac{1}{4}$	2.296		45 11
8	2.253		45 0 $\frac{3}{4}$	2.2815		45 7 $\frac{1}{2}$	2.3096		46 2 $\frac{1}{4}$
340	2.26		45 4	2.295		45 10 $\frac{3}{4}$	2.323		46 5 $\frac{1}{2}$
2	2.28		45 7 $\frac{1}{4}$	2.3085		46 2	2.337		46 9
4	2.293		45 10 $\frac{1}{4}$	2.322		46 5 $\frac{1}{4}$	2.3506		47 0
6	2.306		46 1 $\frac{1}{2}$	2.3355		46 8 $\frac{1}{4}$	2.3643		47 3 $\frac{1}{2}$
8	2.32		46 4 $\frac{3}{4}$	2.349		46 11 $\frac{3}{4}$	2.378		47 6 $\frac{3}{4}$
350	2.3		46 8	2.3625		47 3	2.3916		47 10

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 41s. 6d.		At Lbs. 300 for 42s.		At Lbs. 300 for 42s. 6d.	
Lbs.	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	1.72916	34 7	1.75	35 0	1.77083	35 5
2	1.743	34 10 $\frac{1}{4}$	1.764	35 3 $\frac{1}{2}$	1.785	35 8 $\frac{1}{4}$
4	1.75683	35 1 $\frac{1}{2}$	1.778	35 6 $\frac{1}{4}$	1.79916	35 11 $\frac{3}{4}$
6	1.7706	35 4 $\frac{3}{4}$	1.792	35 10	1.813	36 3 $\frac{1}{4}$
8	1.7845	35 8 $\frac{1}{4}$	1.806	36 1 $\frac{1}{2}$	1.8275	36 6 $\frac{1}{2}$
260	1.7983	35 11 $\frac{1}{2}$	1.82	36 4 $\frac{1}{4}$	1.8416	36 10
2	1.81216	36 3	1.834	36 8	1.85583	37 1 $\frac{1}{4}$
4	1.826	36 6 $\frac{1}{4}$	1.848	36 11 $\frac{1}{2}$	1.87	37 4 $\frac{3}{4}$
6	1.83983	36 9 $\frac{1}{2}$	1.862	37 3	1.88416	37 8
8	1.8536	37 0 $\frac{1}{4}$	1.876	37 6 $\frac{1}{4}$	1.8983	37 11 $\frac{1}{4}$
270	1.8675	37 4 $\frac{1}{4}$	1.89	37 9 $\frac{1}{2}$	1.9125	38 3
2	1.8813	37 7 $\frac{1}{2}$	1.904	38 1	1.926	38 6 $\frac{1}{4}$
4	1.89516	37 10 $\frac{3}{4}$	1.918	38 4 $\frac{1}{4}$	1.94083	38 9 $\frac{3}{4}$
6	1.909	38 2 $\frac{1}{4}$	1.932	38 7 $\frac{1}{2}$	1.955	39 1 $\frac{1}{4}$
8	1.92283	38 5 $\frac{1}{4}$	1.946	38 11	1.96916	39 4 $\frac{1}{2}$
280	1.936	38 8 $\frac{3}{4}$	1.96	39 2 $\frac{1}{2}$	1.983	39 8
2	1.9505	39 0	1.974	39 5 $\frac{3}{4}$	1.9975	39 11 $\frac{1}{4}$
4	1.9643	39 3 $\frac{1}{2}$	1.988	39 9	2.0116	40 2 $\frac{3}{4}$
6	1.97816	39 6 $\frac{3}{4}$	2.002	40 0 $\frac{1}{2}$	2.02583	40 6
8	1.992	39 10	2.016	40 3 $\frac{3}{4}$	2.04	40 9 $\frac{1}{2}$
290	2.00583	40 1 $\frac{1}{4}$	2.03	40 7 $\frac{1}{4}$	2.05416	41 1
2	2.0196	40 4 $\frac{1}{2}$	2.044	40 10 $\frac{1}{2}$	2.0683	41 4 $\frac{1}{4}$
4	2.0335	40 7 $\frac{3}{4}$	2.058	41 2	2.0825	41 7 $\frac{3}{4}$
6	2.0473	40 11 $\frac{1}{4}$	2.072	41 5 $\frac{1}{4}$	2.096	41 11
8	2.06116	41 2 $\frac{1}{4}$	2.086	41 8 $\frac{3}{4}$	2.11083	42 2 $\frac{1}{2}$
300	2.075	41 6	2.1	42 0	2.125	42 6

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lb.	At Lbs. 300 for 41s. 6d.		At Lbs. 300 for 42s.		At Lbs. 300 for 42s. 6d.	
	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	2.075	41 6	2.1	42 0	2.125	42 6
2	2.08883	41 9 $\frac{1}{4}$	2.114	42 3 $\frac{1}{2}$	2.13916	42 9 $\frac{1}{4}$
4	2.1026	42 0 $\frac{1}{2}$	2.128	42 6 $\frac{3}{4}$	2.153	43 0 $\frac{3}{4}$
6	2.1165	42 4	2.142	42 10	2.1675	43 4 $\frac{1}{4}$
8	2.1303	42 7 $\frac{1}{4}$	2.156	43 1 $\frac{1}{2}$	2.1816	43 7 $\frac{1}{2}$
310	2.14416	42 10 $\frac{1}{2}$	2.17	43 4 $\frac{3}{4}$	2.19583	43 11
2	2.158	43 2	2.184	43 8	2.21	44 2 $\frac{1}{2}$
4	2.17183	43 5 $\frac{1}{4}$	2.198	43 11 $\frac{1}{2}$	2.22416	44 5 $\frac{3}{4}$
6	2.1856	43 8 $\frac{1}{4}$	2.212	44 3	2.2383	44 9
8	2.1995	43 11 $\frac{1}{4}$	2.226	44 6 $\frac{1}{4}$	2.2525	45 0 $\frac{1}{2}$
320	2.213	44 3 $\frac{1}{4}$	2.24	44 9 $\frac{1}{2}$	2.26	45 4
2	2.22716	44 6 $\frac{1}{2}$	2.254	45 1	2.28083	45 7 $\frac{1}{4}$
4	2.241	44 9 $\frac{3}{4}$	2.268	45 4 $\frac{1}{4}$	2.295	45 10 $\frac{3}{4}$
6	2.25483	45 1	2.282	45 7 $\frac{3}{4}$	2.30916	46 2 $\frac{1}{4}$
8	2.2686	45 4 $\frac{1}{2}$	2.296	45 11	2.323	46 5 $\frac{1}{2}$
330	2.2825	45 7 $\frac{3}{4}$	2.31	46 2 $\frac{1}{2}$	2.3375	46 9
2	2.2963	45 11	2.324	46 5 $\frac{3}{4}$	2.3516	47 0 $\frac{1}{4}$
4	2.31016	46 2 $\frac{1}{2}$	2.338	46 9	2.36583	47 3 $\frac{3}{4}$
6	2.324	46 5 $\frac{3}{4}$	2.352	47 0 $\frac{1}{2}$	2.38	47 7
8	2.33783	46 9	2.366	47 3 $\frac{3}{4}$	2.39416	47 10 $\frac{1}{2}$
340	2.3516	47 0 $\frac{1}{4}$	2.38	47 7 $\frac{1}{4}$	2.4083	48 2
2	2.3655	47 3 $\frac{3}{4}$	2.394	47 10 $\frac{1}{2}$	2.4225	48 5 $\frac{1}{4}$
4	2.3793	47 7	2.408	48 2	2.436	48 8 $\frac{3}{4}$
6	2.39316	47 10 $\frac{1}{4}$	2.422	48 5 $\frac{1}{4}$	2.45083	49 0
8	2.407	48 1 $\frac{3}{4}$	2.436	48 8 $\frac{1}{2}$	2.465	49 3 $\frac{1}{2}$
350	2.42083	48 5	2.45	49 0	2.47916	49 7

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 43s.		At Lbs. 300 for 43s. 6d.		At Lbs. 300 for 44s.	
	Lbs.	£ or s. d.	Lbs.	£ or s. d.	Lbs.	£ or s. d.
250	1.7916	35 10	1.8125	36 3	1.83	36 8
2	1.806	36 1½	1.827	36 6½	1.848	36 11½
4	1.8203	36 4¼	1.8415	36 10	1.8626	37 3
6	1.8346	36 8¼	1.856	37 1½	1.8773	37 6½
8	1.849	36 11¼	1.8705	37 4¼	1.892	37 10
260	1.863	37 3¼	1.885	37 8½	1.906	38 1½
2	1.8776	37 6½	1.8995	38 0	1.9213	38 5
4	1.892	37 10	1.914	38 3½	1.936	38 8½
6	1.9063	38 1½	1.9285	38 6¼	1.9506	39 0
8	1.9206	38 4¼	1.943	38 10¼	1.9653	39 3¼
270	1.935	38 8½	1.9575	39 1¼	1.98	39 7¼
2	1.9493	38 11¼	1.972	39 5¼	1.9946	39 10½
4	1.9636	39 3¼	1.9865	39 8¼	2.0093	40 2¼
6	1.978	39 6¼	2.001	40 0¼	2.024	40 5¼
8	1.9923	39 10	2.0155	40 3¼	2.0386	40 9¼
280	2.006	40 1½	2.03	40 7¼	2.053	41 0¼
2	2.021	40 5	2.0445	40 10½	2.068	41 4¼
4	2.0353	40 8¼	2.059	41 2¼	2.0826	41 7¼
6	2.0496	40 11¼	2.0735	41 5½	2.0973	41 11¼
8	2.064	41 3½	2.088	41 9	2.112	42 3
290	2.0783	41 6¼	2.1025	42 0½	2.126	42 6¼
2	2.0926	41 10	2.117	42 4¼	2.1413	42 9¼
4	2.107	42 1¼	2.1315	42 7½	2.156	43 1½
6	2.1213	42 5	2.146	42 11	2.1706	43 5
8	2.1356	42 8½	2.1605	43 2½	2.1853	43 8¼
300	2.15	43 0	2.175	43 6	2.2	44 0

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 43s.		At Lbs. 300 for 43s. 6d.		At Lbs. 300 for 44s.	
Lbs.	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	2.15	43 0	2.175	43 6	2.2	44 0
2	2.1643	43 3½	2.1895	43 9¼	2.2146	44 3½
4	2.1786	43 6¾	2.204	44 1	2.2293	44 7
6	2.193	43 10¼	2.2185	44 4½	2.244	44 10½
8	2.2073	44 1¾	2.233	44 8	2.2586	45 2
310	2.2216	44 5	2.2475	44 11½	2.273	45 5½
2	2.236	44 8½	2.262	45 3	2.288	45 9
4	2.2503	45 0	2.2765	45 6¼	2.3026	46 0½
6	2.2646	45 3½	2.291	45 9¾	2.3173	46 4¼
8	2.279	45 6¾	2.3055	46 1¼	2.332	46 7½
320	2.293	45 10¼	2.32	46 4¾	2.346	46 11¼
2	2.3076	46 1¾	2.3345	46 8	2.3613	47 2¾
4	2.322	46 5¼	2.349	46 11¾	2.376	47 6¼
6	2.3363	46 8½	2.3635	47 3¼	2.3906	47 9¾
8	2.3506	47 0	2.378	47 6¾	2.4053	48 1¼
330	2.365	47 3¾	2.3925	47 10¼	2.42	48 4¾
2	2.3793	47 7	2.407	48 1¾	2.4346	48 8
4	2.3936	47 10½	2.4215	48 5	2.4493	48 11¾
6	2.408	48 2	2.436	48 8½	2.464	49 3½
8	2.4223	48 5¼	2.4505	49 0	2.4786	49 6¾
340	2.436	48 8¾	2.465	49 3¾	2.493	49 10¼
2	2.451	49 0¼	2.4795	49 7	2.508	50 2
4	2.4653	49 3¾	2.494	49 10½	2.5226	50 5½
6	2.4796	49 7	2.5085	50 2	2.5373	50 9
8	2.494	49 10½	2.523	50 5½	2.552	51 0½
350	2.5083	50 2	2.5375	50 9	2.566	51 4

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lbs.	At Lbs. 300 for 44s. 6d.			At Lbs. 300 for 45s.			At Lbs. 300 for 45s. 6d.		
	£	or	s. d.	£	or	s. d.	£	or	s. d.
250	1.85416		37 1	1.875		37 6	1.89583		37 11
2	1.869		37 4½	1.89		37 9½	1.911		38 2¼
4	1.88383		37 8	1.905		38 1¼	1.92616		38 6¼
6	1.8986		37 11¾	1.92		38 4¾	1.9413		38 9¾
8	1.9135		38 3¼	1.935		38 8¼	1.9565		39 1½
260	1.9283		38 6½	1.95		39 0	1.9716		39 5¼
2	1.94316		38 10¼	1.965		39 3¾	1.98683		39 8¾
4	1.958		39 2	1.98		39 7¼	2.002		40 0½
6	1.97283		39 5½	1.995		39 10¾	2.01716		40 4¼
8	1.9876		39 9	2.01		40 2½	2.0323		40 7¾
270	2.0025		40 0½	2.025		40 6	2.0475		40 11½
2	2.0173		40 4¼	2.04		40 9½	2.0626		41 3
4	2.03216		40 7¾	2.055		41 1¼	2.07783		41 6½
6	2.047		40 11¼	2.07		41 4¾	2.093		41 10¼
8	2.06183		41 2¾	2.085		41 8¼	2.10816		42 2
280	2.076		41 6¼	2.1		42 0	2.123		42 5½
2	2.0915		41 9¾	2.115		42 3¾	2.1385		42 9¼
4	2.1063		42 1½	2.13		42 7¼	2.1536		43 0¾
6	2.12116		42 5	2.145		42 10¾	2.16883		43 4½
8	2.136		42 8½	2.16		43 2½	2.184		43 8
290	2.15083		43 0	2.175		43 6	2.19916		43 11¾
2	2.1656		43 3¾	2.19		43 9½	2.2143		44 3½
4	2.1805		43 7¼	2.205		44 1¼	2.2295		44 7
6	2.1953		43 10¾	2.22		44 4¾	2.2446		44 10½
8	2.21016		44 2½	2.235		44 8¼	2.25983		45 2¼
300	2.225		44 6	2.25		45 0	2.275		45 6

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 44s. 6d.		At Lbs. 300 for 45s.		At Lbs. 300 for 45s. 6d.	
Lb.	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	2.225	44 6	2.25	45 0	2.275	45 6
2	2.23983	44 9 $\frac{1}{2}$	2.265	45 3 $\frac{3}{4}$	2.29016	45 9 $\frac{1}{2}$
4	2.2546	45 1	2.28	45 7 $\frac{1}{4}$	2.3053	46 1 $\frac{1}{4}$
6	2.2695	45 4 $\frac{1}{2}$	2.295	45 10 $\frac{3}{4}$	2.3205	46 4 $\frac{3}{4}$
8	2.2843	45 8	2.31	46 2 $\frac{1}{2}$	2.3356	46 8 $\frac{1}{4}$
310	2.29916	45 11 $\frac{3}{4}$	2.325	46 6	2.35083	47 0 $\frac{1}{4}$
2	2.314	46 3 $\frac{1}{2}$	2.34	46 9 $\frac{1}{2}$	2.366	47 4
4	2.32883	46 6 $\frac{3}{4}$	2.355	47 1 $\frac{1}{4}$	2.38116	47 7 $\frac{1}{2}$
6	2.3436	46 10 $\frac{1}{2}$	2.37	47 4 $\frac{3}{4}$	2.3963	47 11
8	2.3585	47 2	2.385	47 8 $\frac{1}{4}$	2.4115	48 2 $\frac{3}{4}$
320	2.373	47 5 $\frac{1}{4}$	2.4	48 0	2.426	48 6 $\frac{1}{4}$
2	2.38816	47 9	2.415	48 3 $\frac{3}{4}$	2.44183	48 10
4	2.403	48 0 $\frac{3}{4}$	2.43	48 7 $\frac{1}{4}$	2.457	49 1 $\frac{3}{4}$
6	2.41783	48 4 $\frac{1}{4}$	2.445	48 10 $\frac{3}{4}$	2.47216	49 5 $\frac{1}{4}$
8	2.4326	48 7 $\frac{3}{4}$	2.46	49 2 $\frac{1}{2}$	2.4873	49 9
330	2.4475	48 11 $\frac{1}{2}$	2.475	49 6	2.5025	50 0 $\frac{1}{2}$
2	2.4623	49 3	2.49	49 9 $\frac{1}{2}$	2.5176	50 4 $\frac{1}{4}$
4	2.47716	49 6 $\frac{1}{2}$	2.505	50 1 $\frac{1}{4}$	2.53283	50 7 $\frac{3}{4}$
6	2.492	49 10	2.52	50 4 $\frac{3}{4}$	2.548	50 11 $\frac{1}{2}$
8	2.50683	50 1 $\frac{1}{2}$	2.535	50 8 $\frac{1}{4}$	2.56316	51 3 $\frac{1}{4}$
340	2.5216	50 5 $\frac{1}{4}$	2.55	51 0	2.5783	51 6 $\frac{3}{4}$
2	2.5365	50 8 $\frac{3}{4}$	2.565	51 3 $\frac{1}{2}$	2.5935	51 10 $\frac{1}{4}$
4	2.5513	51 0 $\frac{1}{4}$	2.58	51 7 $\frac{1}{4}$	2.6086	52 2
6	2.56616	51 4	2.595	51 10 $\frac{3}{4}$	2.62383	52 5 $\frac{1}{2}$
8	2.581	51 7 $\frac{1}{4}$	2.61	52 2 $\frac{1}{2}$	2.639	52 9 $\frac{1}{4}$
350	2.59583	51 11	2.625	52 6	2.65416	53 1

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 46s.		At Lbs. 300 for 46s. 6d.		At Lbs. 300 for 47s.	
Lbs.	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	1.916	38 4	1.9375	38 9	1.9583	39 2
2	1.932	38 7½	1.953	39 0¼	1.974	39 5¼
4	1.9473	38 11¼	1.9685	39 4½	1.9896	39 9½
6	1.9626	39 3	1.984	39 8	2.0053	40 1¼
8	1.978	39 6¾	1.9995	40 0	2.021	40 5
260	1.993	39 10¼	2.015	40 3¾	2.036	40 8¾
2	2.0086	40 2	2.0305	40 7¼	2.0523	41 0½
4	2.024	40 5¾	2.046	40 11	2.068	41 4¼
6	2.0393	40 9½	2.0615	41 2¾	2.0836	41 8
8	2.0546	41 1	2.077	41 6½	2.0993	41 11¾
270	2.07	41 4¾	2.0925	41 10¼	2.115	42 3¾
2	2.0853	41 8½	2.108	42 2	2.1306	42 7¼
4	2.1006	42 0	2.1235	42 5½	2.1463	42 11
6	2.116	42 3¾	2.139	42 9¼	2.162	43 3
8	2.1313	42 7¼	2.1545	43 1	2.1776	43 6½
280	2.146	42 11	2.17	43 4¾	2.193	43 10¼
2	2.162	43 3	2.1855	43 8½	2.209	44 2¼
4	2.1773	43 6½	2.201	44 0¼	2.2246	44 5¾
6	2.1926	43 10	2.2165	44 4	2.2403	44 9½
8	2.208	44 2	2.232	44 7½	2.256	45 1½
290	2.223	44 5½	2.2475	44 11½	2.2716	45 5¼
2	2.2386	44 9¼	2.263	45 3¾	2.2873	45 9
4	2.254	45 1	2.2785	45 6¾	2.303	46 0¾
6	2.2693	45 4½	2.294	45 10½	2.3186	46 4½
8	2.2846	45 8¼	2.3095	46 2¼	2.3343	46 8
300	2.3	46 0	2.325	46 6	2.35	47 0

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 46s.			At Lbs. 300 for 46s. 6d.			At Lbs. 300 for 47s.		
Lbs.	£	or	s. d.	£	or	s. d.	£	or	s. d.
300	2.3		46 0	2.325		46 6	2.35		47 0
2	2.3153		46 3 $\frac{1}{2}$	2.3405		46 9 $\frac{1}{2}$	2.3656		47 3 $\frac{3}{4}$
4	2.3306		46 7 $\frac{1}{4}$	2.356		47 1 $\frac{1}{2}$	2.3813		47 7 $\frac{1}{2}$
6	2.346		46 11	2.3715		47 5	2.397		47 11 $\frac{1}{4}$
8	2.3613		47 2 $\frac{3}{4}$	2.387		47 9	2.4126		48 3
310	2.376		47 6 $\frac{1}{4}$	2.4025		48 0 $\frac{1}{2}$	2.4283		48 6 $\frac{3}{4}$
2	2.392		47 10	2.418		48 4 $\frac{1}{4}$	2.444		48 10 $\frac{1}{2}$
4	2.4073		48 1 $\frac{3}{4}$	2.4335		48 8	2.4596		49 2 $\frac{1}{4}$
6	2.4226		48 5 $\frac{1}{4}$	2.449		48 11 $\frac{3}{4}$	2.4753		49 6
8	2.438		48 9	2.4645		49 3 $\frac{1}{2}$	2.491		49 9 $\frac{3}{4}$
320	2.453		49 0 $\frac{3}{4}$	2.48		49 7 $\frac{1}{4}$	2.506		50 1 $\frac{1}{2}$
2	2.4686		49 4 $\frac{1}{2}$	2.4955		49 11	2.5223		50 5 $\frac{1}{4}$
4	2.484		49 8	2.511		50 2 $\frac{3}{4}$	2.538		50 9
6	2.4993		49 11 $\frac{3}{4}$	2.5265		50 6 $\frac{1}{4}$	2.5536		51 0 $\frac{3}{4}$
8	2.5146		50 3 $\frac{1}{2}$	2.542		50 10	2.5693		51 4 $\frac{1}{2}$
330	2.53		50 7 $\frac{1}{4}$	2.5575		51 1 $\frac{3}{4}$	2.585		51 8 $\frac{1}{4}$
2	2.5453		50 10 $\frac{3}{4}$	2.573		51 5 $\frac{1}{2}$	2.6006		52 0
4	2.5606		51 2 $\frac{1}{2}$	2.5885		51 9 $\frac{1}{4}$	2.6163		52 3 $\frac{3}{4}$
6	2.576		51 6 $\frac{1}{4}$	2.604		52 1	2.632		52 7 $\frac{1}{2}$
8	2.5913		51 10	2.6195		52 4 $\frac{3}{4}$	2.6476		52 11 $\frac{1}{4}$
340	2.606		52 1 $\frac{1}{2}$	2.635		52 8 $\frac{1}{4}$	2.663		53 3 $\frac{1}{4}$
2	2.622		52 5 $\frac{1}{4}$	2.6505		53 0	2.679		53 7
4	2.6373		52 9	2.666		53 3 $\frac{3}{4}$	2.6946		53 10 $\frac{1}{2}$
6	2.6526		53 0 $\frac{1}{2}$	2.6815		53 7 $\frac{1}{2}$	2.7103		54 2 $\frac{1}{4}$
8	2.668		53 4 $\frac{1}{4}$	2.697		53 11 $\frac{1}{4}$	2.726		54 6 $\frac{1}{2}$
350	2.683		53 8	2.7125		54 3	2.7416		54 10

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 47s. 6d.			At Lbs. 300 for 48s.			At Lbs. 300 for 48s. 6d.		
Lbs.	£	or	s. d.	£	or	s. d.	£	or	s. d.
250	1.97916		39 7	2.		40 0	2.02083		40 5
2	1.995		39 10 $\frac{3}{4}$	2.016		40 3 $\frac{3}{4}$	2.037		40 9
4	2.01083		40 2 $\frac{1}{2}$	2.032		40 7 $\frac{1}{2}$	2.05316		41 0 $\frac{3}{4}$
6	2.026		40 6 $\frac{1}{4}$	2.048		40 11 $\frac{1}{2}$	2.0693		41 4 $\frac{1}{2}$
8	2.0425		40 10	2.064		41 3 $\frac{1}{4}$	2.0855		41 8 $\frac{1}{2}$
260	2.0583		41 2	2.08		41 7 $\frac{1}{4}$	2.1016		42 0 $\frac{1}{4}$
2	2.07416		41 5 $\frac{3}{4}$	2.096		41 11	2.11783		42 4 $\frac{1}{4}$
4	2.09		41 9 $\frac{1}{2}$	2.112		42 3	2.134		42 8
6	2.10583		42 1 $\frac{1}{4}$	2.128		42 6 $\frac{3}{4}$	2.15016		43 0
8	2.1216		42 5	2.144		42 10 $\frac{1}{2}$	2.1663		43 4
270	2.1375		42 9	2.16		43 2 $\frac{1}{2}$	2.1825		43 7 $\frac{3}{4}$
2	2.153		43 0 $\frac{3}{4}$	2.176		43 6 $\frac{1}{4}$	2.1986		43 11 $\frac{3}{4}$
4	2.16916		43 4 $\frac{1}{2}$	2.192		43 10	2.21483		44 3 $\frac{1}{2}$
6	2.185		43 8 $\frac{1}{4}$	2.208		44 2	2.231		44 7 $\frac{1}{4}$
8	2.20083		44 0	2.224		44 5 $\frac{3}{4}$	2.24716		44 11 $\frac{1}{4}$
280	2.216		44 4	2.24		44 9 $\frac{1}{2}$	2.263		45 3 $\frac{1}{4}$
2	2.2325		44 7 $\frac{3}{4}$	2.256		45 1 $\frac{1}{2}$	2.2795		45 7
4	2.2483		44 11 $\frac{1}{2}$	2.272		45 5 $\frac{1}{4}$	2.2956		45 11
6	2.26416		45 3 $\frac{1}{2}$	2.288		45 9	2.31183		46 2 $\frac{3}{4}$
8	2.28		45 7 $\frac{1}{4}$	2.304		46 1	2.328		46 6 $\frac{1}{2}$
290	2.29583		45 11	2.32		46 4 $\frac{3}{4}$	2.34416		46 10 $\frac{1}{2}$
2	2.3116		46 2 $\frac{3}{4}$	2.336		46 8 $\frac{1}{2}$	2.3603		47 2 $\frac{1}{2}$
4	2.3275		46 6 $\frac{1}{2}$	2.352		47 0 $\frac{1}{2}$	2.3765		47 6 $\frac{1}{4}$
6	2.343		46 10 $\frac{1}{4}$	2.368		47 4 $\frac{1}{4}$	2.3926		47 10 $\frac{1}{4}$
8	2.35916		47 2 $\frac{1}{4}$	2.384		47 8	2.40883		48 2
300	2.375		47 6	2.4		48 0	2.425		48 6

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lb.	At Lbs. 300 for 47s. 6d.			At Lbs. 300 for 48s.			At Lbs. 300 for 48s. 6d.		
	£	or	s. d.	£	or	s. d.	£	or	s. d.
300	2.375		47 6	2.4		48 0	2.425		48 6
2	2.39083		47 9 $\frac{3}{4}$	2.416		48 3 $\frac{3}{4}$	2.44116		48 9 $\frac{3}{4}$
4	2.406		48 1 $\frac{1}{2}$	2.432		48 7 $\frac{1}{2}$	2.4573		49 1 $\frac{3}{4}$
6	2.4225		48 5 $\frac{1}{4}$	2.448		48 11 $\frac{1}{2}$	2.4735		49 5 $\frac{1}{2}$
8	2.4383		48 9	2.464		49 3 $\frac{1}{2}$	2.4896		49 9 $\frac{1}{2}$
310	2.45416		49 1	2.48		49 7 $\frac{1}{4}$	2.50583		50 1 $\frac{1}{4}$
2	2.47		49 4 $\frac{3}{4}$	2.496		49 11	2.522		50 5 $\frac{1}{4}$
4	2.48583		49 8 $\frac{1}{2}$	2.512		50 3	2.53816		50 9
6	2.5016		50 0 $\frac{1}{4}$	2.528		50 6 $\frac{3}{4}$	2.5543		51 1
8	2.5175		50 4 $\frac{1}{4}$	2.544		50 10 $\frac{1}{2}$	2.5705		51 4 $\frac{3}{4}$
320	2.53		50 8	2.56		51 2 $\frac{1}{2}$	2.586		51 8 $\frac{3}{4}$
2	2.54916		50 11 $\frac{3}{4}$	2.576		51 6 $\frac{1}{4}$	2.60283		52 0 $\frac{1}{2}$
4	2.565		51 3 $\frac{1}{2}$	2.592		51 10	2.619		52 4 $\frac{1}{2}$
6	2.58083		51 7 $\frac{1}{4}$	2.608		52 2	2.63516		52 8 $\frac{1}{4}$
8	2.596		51 11	2.624		52 5 $\frac{3}{4}$	2.6513		53 0 $\frac{1}{4}$
330	2.6125		52 3	2.64		52 9 $\frac{1}{2}$	2.6675		53 4 $\frac{1}{4}$
2	2.6283		52 6 $\frac{3}{4}$	2.656		53 1 $\frac{1}{2}$	2.6836		53 8
4	2.64416		52 10 $\frac{1}{2}$	2.672		53 5 $\frac{1}{4}$	2.69983		54 0
6	2.66		53 2 $\frac{1}{4}$	2.688		53 9	2.716		54 3 $\frac{3}{4}$
8	2.67583		53 6	2.704		54 1	2.73216		54 7 $\frac{3}{4}$
340	2.6916		53 10	2.72		54 4 $\frac{3}{4}$	2.7483		54 11 $\frac{1}{2}$
2	2.7075		54 1 $\frac{3}{4}$	2.736		54 8 $\frac{1}{2}$	2.7645		55 3 $\frac{1}{2}$
4	2.723		54 5 $\frac{1}{2}$	2.752		55 0 $\frac{1}{2}$	2.7806		55 7 $\frac{1}{4}$
6	2.73916		54 9 $\frac{1}{4}$	2.768		55 4 $\frac{1}{4}$	2.79683		55 11 $\frac{1}{4}$
8	2.755		55 1 $\frac{1}{4}$	2.784		55 8	2.813		56 3 $\frac{1}{4}$
350	2.77083		55 5	2.8		56 0	2.82916		56 7

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 49s.		At Lbs. 300 for 49s. 6d.		At Lbs. 300 for 50s.	
Lbs.	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	2.0416	40 10	2.0625	41 3	2.083	41 8
2	2.058	41 2	2.079	41 7	2.1	42 0
4	2.0743	41 5 $\frac{3}{4}$	2.0955	41 10 $\frac{1}{4}$	2.116	42 4
6	2.0906	41 9 $\frac{3}{4}$	2.112	42 3	2.13	42 8
8	2.107	42 1 $\frac{3}{4}$	2.1285	42 6 $\frac{3}{4}$	2.15	43 0
260	2.123	42 5 $\frac{1}{2}$	2.145	42 10 $\frac{3}{4}$	2.16	43 4
2	2.1396	42 9 $\frac{1}{2}$	2.1615	43 2 $\frac{3}{4}$	2.183	43 8
4	2.156	43 1 $\frac{1}{2}$	2.178	43 6 $\frac{3}{4}$	2.2	44 0
6	2.1723	43 5 $\frac{1}{4}$	2.1945	43 10 $\frac{1}{2}$	2.216	44 4
8	2.1886	43 9 $\frac{1}{4}$	2.211	44 2 $\frac{3}{4}$	2.23	44 8
270	2.205	44 1 $\frac{1}{4}$	2.2275	44 6 $\frac{1}{2}$	2.25	45 0
2	2.2213	44 5	2.244	44 10 $\frac{1}{2}$	2.26	45 4
4	2.2376	44 9	2.2605	45 2 $\frac{1}{2}$	2.283	45 8
6	2.254	45 1	2.277	45 6 $\frac{1}{2}$	2.3	46 0
8	2.2703	45 4 $\frac{3}{4}$	2.2935	45 10 $\frac{1}{2}$	2.316	46 4
280	2.286	45 8 $\frac{3}{4}$	2.31	46 2 $\frac{1}{2}$	2.3	46 8
2	2.303	46 0 $\frac{1}{4}$	2.3265	46 6 $\frac{1}{4}$	2.35	47 0
4	2.3193	46 4 $\frac{1}{2}$	2.343	46 10 $\frac{1}{4}$	2.36	47 4
6	2.3356	46 8 $\frac{1}{2}$	2.3595	47 2 $\frac{1}{4}$	2.383	47 8
8	2.352	47 0 $\frac{1}{2}$	2.376	47 6 $\frac{1}{4}$	2.4	48 0
290	2.3683	47 4 $\frac{1}{2}$	2.3925	47 10 $\frac{1}{4}$	2.416	48 4
2	2.3846	47 8 $\frac{1}{4}$	2.409	48 2 $\frac{1}{4}$	2.43	48 8
4	2.401	48 0 $\frac{1}{4}$	2.4255	48 6	2.45	49 0
6	2.4173	48 4	2.442	48 10	2.46	49 4
8	2.4336	48 8	2.4585	49 2	2.483	49 8
300	2.45	49 0	2.475	49 6	2.5	50 0

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 49s.		At Lbs. 300 for 49s. 6d.		At Lbs. 300 for 50s.	
Lbs.	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	2.45	49 0	2.475	49 6	2.5	50 0
2	2.466 $\frac{3}{4}$	49 4	2.4915	49 9 $\frac{3}{4}$	2.516	50 4
4	2.4826	49 7 $\frac{3}{4}$	2.508	50 2	2.53	50 8
6	2.499	49 11 $\frac{3}{4}$	2.5245	50 5 $\frac{3}{4}$	2.55	51 0
8	2.5153	50 3 $\frac{3}{4}$	2.541	50 9 $\frac{3}{4}$	2.56	51 4
310	2.5316	50 7 $\frac{1}{2}$	2.5575	51 1 $\frac{3}{4}$	2.583	51 8
2	2.548	50 11 $\frac{1}{2}$	2.574	51 5 $\frac{3}{4}$	2.6	52 0
4	2.5643	51 3 $\frac{1}{2}$	2.5905	51 9 $\frac{1}{2}$	2.616	52 4
6	2.5806	51 7 $\frac{1}{4}$	2.607	52 1 $\frac{3}{4}$	2.63	52 8
8	2.597	51 11 $\frac{1}{4}$	2.6235	52 5 $\frac{1}{2}$	2.65	53 0
320	2.613	52 3 $\frac{3}{4}$	2.64	52 9 $\frac{1}{2}$	2.6	53 4
2	2.6296	52 7	2.6565	53 1 $\frac{1}{2}$	2.683	53 8
4	2.646	52 11	2.673	53 5 $\frac{1}{2}$	2.7	54 0
6	2.6623	53 3	2.6895	53 9 $\frac{1}{4}$	2.716	54 4
8	2.6786	53 6 $\frac{3}{4}$	2.706	54 1 $\frac{1}{2}$	2.73	54 8
330	2.695	53 10 $\frac{3}{4}$	2.7225	54 5 $\frac{1}{4}$	2.75	55 0
2	2.7113	54 2 $\frac{3}{4}$	2.739	54 9 $\frac{1}{4}$	2.76	55 4
4	2.7276	54 6 $\frac{1}{2}$	2.7555	55 1 $\frac{1}{4}$	2.783	55 8
6	2.744	54 10 $\frac{1}{4}$	2.772	55 5 $\frac{1}{4}$	2.8	56 0
8	2.7603	55 2 $\frac{1}{2}$	2.7885	55 9 $\frac{1}{4}$	2.816	56 4
340	2.776	55 6 $\frac{1}{4}$	2.805	56 1 $\frac{1}{4}$	2.83	56 8
2	2.793	55 10 $\frac{1}{4}$	2.8215	56 5	2.85	57 0
4	2.8093	56 2 $\frac{1}{4}$	2.838	56 9	2.86	57 4
6	2.8256	56 6	2.8545	57 1	2.883	57 8
8	2.842	56 10	2.871	57 5	2.9	58 0
350	2.8583	57 2	2.8875	57 9	2.916	58 4

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lbs.	At Lbs. 300 for 50s. 6d.		At Lbs. 300 for 51s.		At Lbs. 300 for 51s. 6d.	
	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	2.10416	42 1	2.125	42 6	2.14583	42 11
2	2.121	42 5	2.142	42 10	2.163	43 3 $\frac{1}{4}$
4	2.13783	42 9	2.159	43 2 $\frac{1}{4}$	2.18016	43 7 $\frac{1}{4}$
6	2.1546	43 1	2.176	43 6 $\frac{1}{4}$	2.1973	43 11 $\frac{1}{4}$
8	2.1715	43 5	2.193	43 10 $\frac{1}{4}$	2.2145	44 3 $\frac{1}{2}$
260	2.1883	43 9 $\frac{1}{4}$	2.21	44 2 $\frac{1}{2}$	2.2316	44 7 $\frac{1}{2}$
2	2.20516	44 1 $\frac{1}{4}$	2.227	44 6 $\frac{1}{2}$	2.24883	44 11 $\frac{1}{2}$
4	2.222	44 5 $\frac{1}{2}$	2.244	44 10 $\frac{1}{2}$	2.266	45 3 $\frac{3}{4}$
6	2.23883	44 9 $\frac{1}{4}$	2.261	45 2 $\frac{3}{4}$	2.28316	45 8
8	2.2556	45 1 $\frac{1}{4}$	2.278	45 6 $\frac{3}{4}$	2.3003	46 0
270	2.2725	45 5 $\frac{1}{4}$	2.295	45 10 $\frac{3}{4}$	2.3175	46 4 $\frac{1}{4}$
2	2.2893	45 9 $\frac{1}{4}$	2.312	46 3	2.3346	46 8 $\frac{1}{4}$
4	2.30616	46 1 $\frac{1}{2}$	2.329	46 7	2.35183	47 0 $\frac{1}{4}$
6	2.323	46 5 $\frac{1}{2}$	2.346	46 11	2.369	47 4 $\frac{1}{2}$
8	2.33983	46 9 $\frac{1}{2}$	2.363	47 3 $\frac{1}{4}$	2.38616	47 8 $\frac{1}{2}$
280	2.356	47 1 $\frac{1}{2}$	2.38	47 7 $\frac{1}{4}$	2.403	48 0 $\frac{3}{4}$
2	2.3735	47 5 $\frac{1}{2}$	2.397	47 11 $\frac{1}{4}$	2.4205	48 4 $\frac{3}{4}$
4	2.3903	47 9 $\frac{1}{2}$	2.414	48 3 $\frac{1}{2}$	2.4376	48 9
6	2.40716	48 1 $\frac{3}{4}$	2.431	48 7 $\frac{1}{2}$	2.45483	49 1 $\frac{1}{4}$
8	2.424	48 5 $\frac{3}{4}$	2.448	48 11 $\frac{1}{2}$	2.472	49 5 $\frac{1}{4}$
290	2.44083	48 9 $\frac{3}{4}$	2.465	49 3 $\frac{3}{4}$	2.48916	49 9 $\frac{1}{4}$
2	2.4576	49 1 $\frac{3}{4}$	2.482	49 7 $\frac{3}{4}$	2.5063	50 1 $\frac{1}{2}$
4	2.4745	49 5 $\frac{3}{4}$	2.499	49 11 $\frac{3}{4}$	2.5235	50 5 $\frac{1}{2}$
6	2.4913	49 9 $\frac{3}{4}$	2.516	50 4	2.5406	50 9 $\frac{3}{4}$
8	2.50816	50 2	2.533	50 8	2.55783	51 1 $\frac{3}{4}$
300	2.525	50 6	2.55	51 0	2.575	51 6

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 50s. 6d.		At Lbs. 300 for 51s.		At Lbs. 300 for 51s. 6d.	
Lb.	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	2.525	50 6	2.55	51 0	2.575	51 6
2	2.54183	50 10	2.567	51 4 $\frac{1}{4}$	2.59216	51 10 $\frac{1}{4}$
4	2.5586	51 2	2.584	51 8 $\frac{1}{4}$	2.6093	52 2 $\frac{1}{4}$
6	2.5755	51 6	2.601	52 0 $\frac{1}{4}$	2.6265	52 6 $\frac{1}{4}$
8	2.5923	51 10	2.618	52 4 $\frac{1}{4}$	2.6436	52 10 $\frac{1}{2}$
310	2.60916	52 2 $\frac{1}{4}$	2.635	52 8 $\frac{1}{4}$	2.66083	53 2 $\frac{1}{2}$
2	2.626	52 6 $\frac{1}{4}$	2.652	53 0 $\frac{1}{2}$	2.678	53 6 $\frac{1}{4}$
4	2.64283	52 10 $\frac{1}{4}$	2.669	53 4 $\frac{1}{2}$	2.69516	53 10 $\frac{3}{4}$
6	2.6596	53 2 $\frac{1}{4}$	2.686	53 8 $\frac{1}{2}$	2.7123	54 3
8	2.6765	53 6 $\frac{1}{4}$	2.703	54 0 $\frac{3}{4}$	2.7295	54 7
320	2.693	53 10 $\frac{1}{4}$	2.72	54 4 $\frac{3}{4}$	2.746	54 11 $\frac{1}{4}$
2	2.71016	54 2 $\frac{1}{2}$	2.737	54 8 $\frac{3}{4}$	2.76383	55 3 $\frac{1}{2}$
4	2.727	54 6 $\frac{1}{2}$	2.754	55 1	2.781	55 7 $\frac{1}{2}$
6	2.74383	54 10 $\frac{1}{2}$	2.771	55 5	2.79816	55 11 $\frac{1}{2}$
8	2.7606	55 2 $\frac{1}{2}$	2.788	55 9	2.8153	56 3 $\frac{3}{4}$
330	2.7775	55 6 $\frac{1}{2}$	2.805	56 1 $\frac{1}{4}$	2.8325	56 7 $\frac{3}{4}$
2	2.7943	55 10 $\frac{1}{2}$	2.822	56 5 $\frac{1}{4}$	2.8496	56 11 $\frac{3}{4}$
4	2.81116	56 2 $\frac{3}{4}$	2.839	56 9 $\frac{1}{4}$	2.86683	57 4
6	2.828	56 6 $\frac{3}{4}$	2.856	57 1 $\frac{1}{2}$	2.884	57 8 $\frac{1}{4}$
8	2.84483	56 10 $\frac{3}{4}$	2.873	57 5 $\frac{1}{2}$	2.90116	58 0 $\frac{1}{4}$
340	2.8616	57 2 $\frac{3}{4}$	2.89	57 9 $\frac{1}{2}$	2.9183	58 4 $\frac{1}{2}$
2	2.8785	57 6 $\frac{3}{4}$	2.907	58 1 $\frac{3}{4}$	2.9355	58 8 $\frac{1}{2}$
4	2.8953	57 10 $\frac{3}{4}$	2.924	58 5 $\frac{3}{4}$	2.9526	59 0 $\frac{1}{2}$
6	2.91216	58 3	2.941	58 9 $\frac{3}{4}$	2.96983	59 4 $\frac{3}{4}$
8	2.929	58 7	2.958	59 2	2.987	59 9
350	2.94583	58 11	2.975	59 6	3.00416	60 1

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lbs.	At Lbs. 300 for 52s.		At Lbs. 300 for 52s. 6d.		At Lbs. 300 for 53s.	
	£ or	s. d.	£ or	s. d.	£ or	s. d.
250	2.16	43 4	2.1875	43 9	2.2083	44 2
2	2.184	43 8	2.205	44 $1\frac{1}{4}$	2.226	44 $6\frac{1}{4}$
4	2.2013	44 $0\frac{1}{4}$	2.2225	44 $5\frac{1}{4}$	2.2436	44 $10\frac{1}{2}$
6	2.2186	44 $4\frac{1}{2}$	2.24	44 $9\frac{1}{2}$	2.2613	45 $2\frac{3}{4}$
8	2.236	44 $8\frac{1}{2}$	2.2575	45 $1\frac{3}{4}$	2.279	45 7
260	2.253	45 $0\frac{3}{4}$	2.275	45 6	2.296	45 $11\frac{1}{4}$
2	2.2706	45 $4\frac{3}{4}$	2.2925	45 $10\frac{1}{4}$	2.3143	46 $3\frac{1}{2}$
4	2.288	45 9	2.31	46 $2\frac{1}{2}$	2.332	46 $7\frac{3}{4}$
6	2.3053	46 $1\frac{1}{4}$	2.3275	46 $6\frac{1}{2}$	2.3496	46 $11\frac{3}{4}$
8	2.3226	46 $5\frac{1}{4}$	2.345	46 $10\frac{3}{4}$	2.3673	47 $4\frac{1}{4}$
270	2.34	46 $9\frac{1}{2}$	2.3625	47 3	2.385	47 $8\frac{1}{4}$
2	2.3573	47 $1\frac{3}{4}$	2.38	47 $7\frac{1}{4}$	2.4026	48 $0\frac{1}{2}$
4	2.3746	47 $5\frac{3}{4}$	2.3975	47 $11\frac{1}{2}$	2.4203	48 $4\frac{3}{4}$
6	2.392	47 10	2.415	48 $3\frac{3}{4}$	2.438	48 9
8	2.4093	48 $2\frac{1}{4}$	2.4325	48 8	2.4556	49 $1\frac{1}{4}$
280	2.426	48 $6\frac{1}{4}$	2.45	49 0	2.473	49 $5\frac{1}{2}$
2	2.444	48 $10\frac{1}{2}$	2.4675	49 $4\frac{1}{4}$	2.491	49 $9\frac{3}{4}$
4	2.4613	49 $2\frac{3}{4}$	2.485	49 $8\frac{1}{2}$	2.5086	50 2
6	2.4786	49 $6\frac{3}{4}$	2.5025	50 $0\frac{1}{2}$	2.5263	50 $6\frac{1}{4}$
8	2.496	49 11	2.52	50 $4\frac{3}{4}$	2.544	50 $10\frac{1}{2}$
290	2.513	50 $3\frac{1}{4}$	2.5375	50 9	2.5616	51 $2\frac{3}{4}$
2	2.5306	50 $7\frac{1}{4}$	2.555	51 $1\frac{1}{4}$	2.5793	51 7
4	2.548	50 $11\frac{1}{2}$	2.5725	51 $5\frac{1}{4}$	2.597	51 $11\frac{1}{4}$
6	2.5653	51 $3\frac{3}{4}$	2.59	51 $9\frac{1}{2}$	2.6146	52 $3\frac{1}{2}$
8	2.5826	51 $7\frac{3}{4}$	2.6075	52 $1\frac{3}{4}$	2.6323	52 $7\frac{3}{4}$
300	2.6	52 0	2.625	52 6	2.65	53 0

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lbs.	At Lbs. 300 for 52s.		At Lbs. 300 for 52s. 6d.		At Lbs. 300 for 53s.	
	£ or	s. d.	£ or	s. d.	£ or	s. d.
300	2.6	52 0	2.625	52 6	2.65	53 0
2	2.6173	52 4 $\frac{1}{4}$	2.6425	52 10	2.6676	53 4 $\frac{1}{4}$
4	2.6346	52 8 $\frac{1}{4}$	2.66	53 2 $\frac{1}{4}$	2.6853	53 8 $\frac{1}{2}$
6	2.652	53 0 $\frac{1}{2}$	2.6775	53 6 $\frac{1}{2}$	2.703	54 0 $\frac{3}{4}$
8	2.6693	53 4 $\frac{1}{2}$	2.695	53 10 $\frac{3}{4}$	2.7206	54 4 $\frac{3}{4}$
310	2.686	53 8 $\frac{3}{4}$	2.7125	54 3	2.7383	54 9 $\frac{1}{4}$
2	2.704	54 1	2.73	54 7 $\frac{1}{4}$	2.756	55 1 $\frac{1}{2}$
4	2.7213	54 5	2.7475	54 11 $\frac{1}{2}$	2.7736	55 5 $\frac{1}{2}$
6	2.7386	54 9 $\frac{1}{4}$	2.765	55 3 $\frac{3}{4}$	2.7913	55 9 $\frac{3}{4}$
8	2.756	55 1 $\frac{1}{2}$	2.7825	55 7 $\frac{3}{4}$	2.809	56 2 $\frac{1}{4}$
320	2.773	55 5 $\frac{1}{2}$	2.8	56 0	2.826	56 6 $\frac{1}{4}$
2	2.7906	55 9 $\frac{3}{4}$	2.8175	56 4 $\frac{1}{4}$	2.8443	56 10 $\frac{1}{2}$
4	2.808	56 2	2.835	56 8 $\frac{1}{2}$	2.862	57 3
6	2.8253	56 6	2.8525	57 0 $\frac{1}{2}$	2.8796	57 7
8	2.8426	56 10 $\frac{1}{4}$	2.87	57 4 $\frac{3}{4}$	2.8973	57 11 $\frac{1}{4}$
330	2.86	57 2 $\frac{1}{2}$	2.8875	57 9	2.915	58 3 $\frac{3}{4}$
2	2.8773	57 6 $\frac{1}{2}$	2.905	58 1 $\frac{1}{4}$	2.9326	58 7 $\frac{3}{4}$
4	2.8946	57 10 $\frac{3}{4}$	2.9225	58 5 $\frac{1}{4}$	2.9503	59 0
6	2.912	58 3	2.94	58 9 $\frac{1}{2}$	2.968	59 4 $\frac{1}{4}$
8	2.9293	58 7	2.9575	59 1 $\frac{3}{4}$	2.9856	59 8 $\frac{1}{2}$
340	2.946	58 11	2.975	59 6	3.003	60 0 $\frac{3}{4}$
2	2.964	59 3 $\frac{1}{2}$	2.9925	59 10	3.021	60 5
4	2.9813	59 7 $\frac{1}{2}$	3.01	60 2 $\frac{1}{2}$	3.0386	60 9 $\frac{1}{4}$
6	2.9986	59 11 $\frac{3}{4}$	3.0275	60 6 $\frac{3}{4}$	3.0563	61 1 $\frac{1}{2}$
8	3.016	60 4	3.045	60 10 $\frac{3}{4}$	3.074	61 5 $\frac{3}{4}$
350	3.03	60 8	3.0625	61 3	3.0916	61 10

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 53s. 6d.			At Lbs. 300 for 54s.			At Lbs. 300 for 54s. 6d.		
Lbs.	£	or	s. d.	£	or	s. d.	£	or	s. d.
250	2.22916		44 7	2.25		45 0	2.27083		45 5
2	2.247		44 11 $\frac{1}{4}$	2.268		45 4 $\frac{1}{2}$	2.289		45 9 $\frac{1}{4}$
4	2.26483		45 3 $\frac{1}{2}$	2.286		45 8 $\frac{3}{4}$	2.30716		46 1 $\frac{3}{4}$
6	2.2826		45 7 $\frac{3}{4}$	2.304		46 1	2.3253		46 6
8	2.3005		46 0	2.322		46 5 $\frac{1}{4}$	2.3435		46 10 $\frac{1}{4}$
260	2.3183		46 4 $\frac{1}{2}$	2.34		46 9 $\frac{1}{2}$	2.3616		47 2 $\frac{3}{4}$
2	2.33616		46 8 $\frac{3}{4}$	2.358		47 2	2.37983		47 7
4	2.354		47 1	2.376		47 6 $\frac{1}{4}$	2.398		47 11 $\frac{1}{2}$
6	2.37183		47 5 $\frac{1}{4}$	2.394		47 10 $\frac{1}{2}$	2.41616		48 3 $\frac{3}{4}$
8	2.3896		47 9 $\frac{1}{2}$	2.412		48 3	2.4343		48 8
270	2.4075		48 1 $\frac{3}{4}$	2.43		48 7 $\frac{1}{4}$	2.4525		49 0 $\frac{1}{2}$
2	2.4253		48 6	2.448		48 11 $\frac{1}{2}$	2.4706		49 4 $\frac{3}{4}$
4	2.44316		48 10 $\frac{1}{4}$	2.466		49 3 $\frac{3}{4}$	2.48883		49 9 $\frac{1}{4}$
6	2.461		49 2 $\frac{3}{4}$	2.484		49 8	2.507		50 1 $\frac{3}{4}$
8	2.47883		49 6 $\frac{3}{4}$	2.502		50 0 $\frac{1}{2}$	2.52516		50 6
280	2.496		49 11	2.52		50 4 $\frac{3}{4}$	2.543		50 10 $\frac{1}{4}$
2	2.5145		50 3 $\frac{1}{2}$	2.538		50 9	2.5615		51 2 $\frac{3}{4}$
4	2.5323		50 7 $\frac{3}{4}$	2.556		51 1 $\frac{1}{2}$	2.5796		51 7
6	2.55016		51 0 $\frac{1}{4}$	2.574		51 5 $\frac{3}{4}$	2.59783		51 11 $\frac{1}{2}$
8	2.568		51 4 $\frac{1}{2}$	2.592		51 10	2.616		52 3 $\frac{3}{4}$
290	2.58583		51 8 $\frac{1}{2}$	2.61		52 2 $\frac{1}{2}$	2.63416		52 8
2	2.6036		52 0 $\frac{3}{4}$	2.628		52 6 $\frac{3}{4}$	2.6523		53 0 $\frac{1}{2}$
4	2.6215		52 5	2.646		52 11	2.6705		53 4 $\frac{3}{4}$
6	2.6393		52 9 $\frac{1}{4}$	2.664		53 3 $\frac{1}{2}$	2.6886		53 9 $\frac{1}{4}$
8	2.65716		53 1 $\frac{3}{4}$	2.682		53 7 $\frac{1}{2}$	2.70683		54 1 $\frac{1}{2}$
300	2.675		53 6	2.7		54 0	2.725		54 6

T A B L E II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt.	At Lbs. 300 for 53s. 6d.			At Lbs. 300 for 54s.			At Lbs. 300 for 54s. 6d.		
Lbs.	£	or	s. d.	£	or	s. d.	£	or	s. d.
300	2.675		53 6	2.7		54 0	2.725		54 6
2	2.69283		53 10 $\frac{1}{4}$	2.718		54 4 $\frac{1}{4}$	2.74316		54 10 $\frac{1}{4}$
4	2.7106		54 2 $\frac{1}{2}$	2.736		54 8 $\frac{1}{2}$	2.7613		55 2 $\frac{3}{4}$
6	2.7285		54 6 $\frac{3}{4}$	2.754		55 1	2.7795		55 7
8	2.7463		54 11	2.772		55 5 $\frac{1}{4}$	2.7976		55 11 $\frac{1}{2}$
310	2.76416		55 3 $\frac{1}{2}$	2.79		55 9 $\frac{1}{2}$	2.81583		56 3 $\frac{3}{4}$
2	2.782		55 7 $\frac{3}{4}$	2.808		56 2	2.834		56 8
4	2.79983		56 0	2.826		56 6 $\frac{1}{4}$	2.85216		57 0 $\frac{1}{2}$
6	2.8176		56 4 $\frac{1}{4}$	2.844		56 10 $\frac{1}{2}$	2.8703		57 4 $\frac{3}{4}$
8	2.8355		56 8 $\frac{1}{2}$	2.862		57 3	2.8885		57 9
320	2.853		57 0 $\frac{3}{4}$	2.88		57 7 $\frac{1}{4}$	2.906		58 1 $\frac{1}{2}$
2	2.87116		57 5	2.898		57 11 $\frac{1}{2}$	2.92483		58 6
4	2.889		57 9 $\frac{1}{4}$	2.916		58 3 $\frac{3}{4}$	2.943		58 10 $\frac{1}{4}$
6	2.90683		58 1 $\frac{1}{2}$	2.934		58 8	2.96116		59 2 $\frac{3}{4}$
8	2.9246		58 5 $\frac{3}{4}$	2.952		59 0 $\frac{1}{2}$	2.9793		59 7
330	2.9425		58 10 $\frac{1}{4}$	2.97		59 4 $\frac{3}{4}$	2.9975		59 11 $\frac{1}{2}$
2	2.9603		59 2 $\frac{1}{2}$	2.988		59 9	3.0156		60 3 $\frac{3}{4}$
4	2.97816		59 6 $\frac{3}{4}$	3.006		60 1 $\frac{1}{2}$	3.03383		60 8
6	2.996		59 11	3.024		60 5 $\frac{3}{4}$	3.052		61 0 $\frac{1}{2}$
8	3.01383		60 3 $\frac{1}{4}$	3.042		60 10	3.07016		61 4 $\frac{3}{4}$
340	3.0316		60 7 $\frac{1}{2}$	3.06		61 2 $\frac{1}{2}$	3.0883		61 9
2	3.0495		60 11 $\frac{3}{4}$	3.078		61 6 $\frac{3}{4}$	3.1065		62 1 $\frac{1}{2}$
4	3.0673		61 4 $\frac{1}{4}$	3.096		61 11	3.1246		62 5 $\frac{3}{4}$
6	3.08516		61 8 $\frac{1}{4}$	3.114		62 3 $\frac{1}{4}$	3.14283		62 10 $\frac{1}{4}$
8	3.103		62 0 $\frac{3}{4}$	3.132		62 7 $\frac{1}{2}$	3.161		63 2 $\frac{3}{4}$
350	3.12083		62 5	3.15		63 0	3.17916		63 7

TABLE II.

Shewing the Price of Malt, &c. per Quarter, at different Weights, compared with a Standard Weight of Lb. 300 to a Quarter, and at different Prices, from Twenty-five to Fifty-five Shillings, for a Quarter.

Wt. Lbs.	At Lbs. 300 for 55s.		Wt. Lbs.	At Lbs. 300 for 55s.	
	£	s. d.		£	s. d.
250	2.2916	45 10	300	2.75	55 0
2	2.31	46 2½	2	2.7683	55 4¼
4	2.3283	46 6¾	4	2.786	55 8¾
6	2.346	46 11¼	6	2.805	56 1¼
8	2.365	47 3¾	8	2.823	56 5½
260	2.383	47 8	310	2.8416	56 10
2	2.4016	48 0¼	2	2.86	57 2½
4	2.42	48 4¾	4	2.8783	57 6¾
6	2.4383	48 9	6	2.896	57 11¼
8	2.456	49 1½	8	2.915	58 3½
270	2.475	49 6	320	2.93	58 8
2	2.493	49 10¼	2	2.9516	59 0¼
4	2.5116	50 2¾	4	2.97	59 4¾
6	2.53	50 7¼	6	2.9883	59 9
8	2.5483	50 11½	8	3.006	60 1½
280	2.56	51 4	330	3.025	60 6
2	2.585	51 8¼	2	3.043	60 10¼
4	2.603	52 0¾	4	3.0616	61 2¾
6	2.6216	52 5	6	3.08	61 7¼
8	2.64	52 9½	8	3.0983	61 11½
290	2.6583	53 2	340	3.116	62 4
2	2.676	53 6¼	2	3.135	62 8¼
4	2.695	53 10¾	4	3.153	63 0¾
6	2.713	54 3¼	6	3.1716	63 5
8	2.7316	54 7½	8	3.19	63 9½
300	2.75	55 0	350	3.2083	64 2

T A B L E III.

Shewing the Value, of One Pound, of any sort of Grain, &c. at Sixpence per Quarter, Sack, Bushel, &c. either of them, being supposed to weigh, any given number of Pounds, from 100 to 350.

Given No. of Lbs. per Quar- ter, &c.	Value of One Pound at Sixpence per Quarter, &c.	Given No. of Lbs. per Quar- ter, &c.	Value of One Pound at Sixpence per Quarter, &c.	Given No. of Lbs. per Quar- ter, &c.	Value of One Pound at Sixpence per Quarter, &c.	Given No. of Lbs. per Quar- ter, &c.	Value of One Pound at Sixpence per Quarter, &c.
Lbs.	£	Lbs.	£	Lbs.	£	Lbs.	£
100	.00025	130	.00019 2307	160	.00015 625	190	.00013 1579
1	.00024 75	1	.00019 0839	1	.00015 5279	1	.00013 0890
2	.00024 5098	2	.00018 93	2	.00015 4321	2	.00013 02083
3	.00024 2718	3	.00018 7970	3	.00015 3374	3	.00012 9534
4	.00024 0384	4	.00018 6567	4	.00015 2439	4	.00012 8866
5	.00023 8095	5	.00018 5	5	.00015	5	.00012 8205
6	.00023 5990	6	.00018 3823	6	.00015 0602	6	.00012 7551
7	.00023 3645	7	.00018 2482	7	.00014 9700	7	.00012 6903
8	.00023 1481	8	.00018 1159	8	.00014 8810	8	.00012 6
9	.00022 9358	9	.00017 9856	9	.00014 7929	9	.00012 5628
110	.00022 7	140	.00017 8571	170	.00014 7059	200	.00012 5
1	.00022 5	1	.00017 7305	1	.00014 6199	1	.00012 4378
2	.00022 3214	2	.00017 6056	2	.00014 5349	2	.00012 376
3	.00022 1239	3	.00017 4825	3	.00014 4508	3	.00012 3153
4	.00021 9298	4	.00017 361	4	.00014 3678	4	.00012 2549
5	.00021 7391	5	.00017 2414	5	.00014 2857	5	.00012 195
6	.00021 5517	6	.00017 1233	6	.00014 2045	6	.00012 1359
7	.00021 3675	7	.00017 0068	7	.00014 1243	7	.00012 0773
8	.00021 1864	8	.00016 891	8	.00014 0449	8	.00012 0192
9	.00021 0084	9	.00016 7785	9	.00013 9665	9	.00011 9617
120	.00020 83	150	.00016	180	.00013 8	210	.00011 9050
1	.00020 6611	1	.00016 5563	1	.00013 8121	1	.00011 8483
2	.00020 4918	2	.00016 4473	2	.00013 7362	2	.00011 7924
3	.00020 325	3	.00016 3398	3	.00013 6612	3	.00011 7371
4	.00020 1613	4	.00016 2338	4	.00013 5869	4	.00011 6822
5	.0002	5	.00016 1290	5	.00013 5	5	.00011 6279
6	.00019 8412	6	.00016 0256	6	.00013 4409	6	.00011 5740
7	.00019 6850	7	.00015 9235	7	.00013 3690	7	.00011 5207
8	.00019 5312	8	.00015 8228	8	.00013 2979	8	.00011 4679
9	.00019 3798	9	.00015 7233	9	.00013 227	9	.00011 4155

TABLE III.
CONTINUED.

Given No. of Lbs. per Quar- ter, &c.	Value of One Pound at Sixpence per Quarter, &c.	Given No. of Lbs. per Quar- ter, &c.	Value of One Pound at Sixpence per Quarter, &c.	Given No. of Lbs. per Quar- ter, &c.	Value of One Pound at Sixpence per Quarter, &c.	Given No. of Lbs. per Quar- ter, &c.	Value of One Pound at Sixpence per Quarter, &c.
Lbs.	£	Lbs.	£	Lbs.	£	Lbs.	£
220	.00011 36	253	.00009 8814	286	.00008 7413	319	.00007 8370
1	.00011 3122	4	.00009 8425	7	.00008 7108	320	.00007 8125
2	.00011 26	5	.00009 8039	8	.00008 6805	1	.00007 7881
3	.00011 2107	6	.00009 7656	9	.00008 6505	2	.00007 7640
4	.00011 1607	7	.00009 7276	290	.00008 6207	3	.00007 7399
5	.00011	8	.00009 6899	1	.00008 5911	4	.00007 7160
6	.00011 0619	9	.00009 6525	2	.00008 5616	5	.00007 6923
7	.00011 0132	260	.00009 6154	3	.00008 5324	6	.00007 6687
8	.00010 9649	1	.00009 5785	4	.00008 5034	7	.00007 6452
9	.00010 9170	2	.00009 5420	5	.00008 4746	8	.00007 6220
230	.00010 8696	3	.00009 5057	6	.00008 4459	9	.00007 5988
1	.00010 8220	4	.00009 469	7	.00008 4175	330	.00007 5
2	.00010 7758	5	.00009 4339	8	.00008 3893	1	.00007 5528
3	.00010 7296	6	.00009 3985	9	.00008 3612	2	.00007 5301
4	.00010 6837	7	.00009 3633	300	.00008 3	3	.00007 5
5	.00010 6383	8	.00009 3284	1	.00008 3056	4	.00007 4850
6	.00010 5932	9	.00009 2937	2	.00008 2781	5	.00007 4627
7	.00010 5485	270	.00009 25	3	.00008 25	6	.00007 4405
8	.00010 5042	1	.00009 225	4	.00008 2237	7	.00007 4184
9	.00010 4602	2	.00009 1912	5	.00008 1967	8	.00007 3964
240	.00010 416	3	.00009 1575	6	.00008 1699	9	.00007 3746
1	.00010 3734	4	.00009 1241	7	.00008 1433	340	.00007 3529
2	.00010 3306	5	.00009	8	.00008 1169	1	.00007 3314
3	.00010 2881	6	.00009 0580	9	.00008 0906	2	.00007 3099
4	.00010 2459	7	.00009 0253	310	.00008 0645	3	.00007 2886
5	.00010 2041	8	.00008 9928	1	.00008 0386	4	.00007 2674
6	.00010 1626	9	.00008 9606	2	.00008 0128	5	.00007 2464
7	.00010 1215	280	.00008 9286	3	.00007 9872	6	.00007 2254
8	.00010 0806	1	.00008 8968	4	.00007 9618	7	.00007 2046
9	.00010 0402	2	.00008 8652	5	.00007 9365	8	.00007 1839
250	.0001	3	.00008 8392	6	.00007 9114	9	.00007 1633
1	.00009 9602	4	.00008 8028	7	.00007 8864	350	.00007 14285
2	.00009 9206	5	.00008 7719	8	.00007 8616		

T A B L E IV.

Shewing the Value of any Number of Quarts, of Corn, &c. contained in a Winchester Quarter, at One Pound per Quarter, by Inspection, and at any other Price, by Multiplication.

Quarts.	Price at One Pound per Quarter.	Quarts.	Price at One Pound per Quarter.	Quarts.	Price at One Pound per Quarter.	Quarts.	Price at One Pound per Quarter.
	£		£		£		£
1	.00390 625	33	.12890 625	65	.25390 625	97	.37890 625
2	.00781 25	34	.13281 25	66	.25781 25	98	.38281 25
3	.01171 875	35	.13671 875	67	.26171 875	99	.38671 875
4	.01562 5	36	.14062 5	68	.26562 5	100	.39062 5
5	.01953 125	37	.14453 125	69	.26953 125	101	.39453 125
6	.02343 75	38	.14843 75	70	.27343 75	102	.39843 75
7	.02734 375	39	.15234 375	71	.27734 375	103	.40234 375
8	.03125	40	.15625	72	.28125	104	.40625
9	.03515 625	41	.16015 625	73	.28515 625	105	.41015 625
10	.03906 25	42	.16406 25	74	.28906 25	106	.41406 25
11	.04296 875	43	.16796 875	75	.29296 875	107	.41796 875
12	.04687 5	44	.17187 5	76	.29687 5	108	.42187 5
13	.05078 125	45	.17578 125	77	.30078 125	109	.42578 125
14	.05468 75	46	.17968 75	78	.30468 75	110	.42968 75
15	.05859 375	47	.18359 375	79	.30859 375	111	.43359 375
16	.0625	48	.1875	80	.3125	112	.4375
17	.06640 625	49	.19140 625	81	.31640 625	113	.44140 625
18	.07031 25	50	.19531 25	82	.32031 25	114	.44531 25
19	.07421 875	51	.19921 875	83	.32421 875	115	.44921 875
20	.07812 5	52	.20312 5	84	.32812 5	116	.45312 5
21	.08203 125	53	.20703 125	85	.33203 125	117	.45703 125
22	.08593 75	54	.21093 75	86	.33593 75	118	.46093 75
23	.08984 375	55	.21484 375	87	.33984 375	119	.46484 375
24	.09375	56	.21875	88	.34375	120	.46875
25	.09765 625	57	.22265 625	89	.34765 625	121	.47265 625
26	.10156 25	58	.22656 25	90	.35156 25	122	.47656 25
27	.10546 875	59	.23046 875	91	.35546 875	123	.48046 875
28	.10937 5	60	.23437 5	92	.35937 5	124	.48437 5
29	.11328 125	61	.23828 125	93	.36328 125	125	.48828 125
30	.11718 75	62	.24218 75	94	.36718 75	126	.49218 75
31	.12109 375	63	.24609 375	95	.37109 375	127	.49609 375
32	.125	64	.25	96	.375	128	.5

TABLE IV.
CONTINUED.

Quarts.	Price at One Pound per Quarter.	Quarts.	Price at One Pound per Quarter.	Quarts.	Price at One Pound per Quarter.	Quarts.	Price at One Pound per Quarter.
	£		£		£		£
129	. 50390 625	161	. 62890 625	193	. 75390 625	225	. 87890 625
130	. 50781 25	162	. 63281 25	194	. 75781 25	226	. 88281 25
131	. 51171 875	163	. 63671 875	195	. 76171 875	227	. 88671 875
132	. 51562 5	164	. 64062 5	196	. 76562 5	228	. 89062 5
133	. 51953 125	165	. 64453 125	197	. 76953 125	229	. 89453 125
134	. 52343 75	166	. 64843 75	198	. 77343 75	230	. 89843 75
135	. 52734 375	167	. 65234 375	199	. 77734 375	231	. 90234 375
136	. 53125	168	. 65625	200	. 78125	232	. 90625
137	. 53515 625	169	. 66015 625	201	. 78515 625	233	. 91015 625
138	. 53906 25	170	. 66406 25	202	. 78906 25	234	. 91406 25
139	. 54296 875	171	. 66796 875	203	. 79296 875	235	. 91796 875
140	. 54687 5	172	. 67187 5	204	. 79687 5	236	. 92187 5
141	. 55078 125	173	. 67578 125	205	. 80078 125	237	. 92578 125
142	. 55468 75	174	. 67968 75	206	. 80468 75	238	. 92968 75
143	. 55859 375	175	. 68359 375	207	. 80859 375	239	. 93359 375
144	. 5625	176	. 6875	208	. 8125	240	. 9375
145	. 56640 625	177	. 69140 625	209	. 81640 625	241	. 94140 625
146	. 57031 25	178	. 69531 25	210	. 82031 25	242	. 94531 25
147	. 57421 875	179	. 69921 875	211	. 82421 875	243	. 94921 875
148	. 57812 5	180	. 70312 5	212	. 82812 5	244	. 95312 5
149	. 58203 125	181	. 70703 125	213	. 83203 125	245	. 95703 125
150	. 58593 75	182	. 71093 75	214	. 83593 75	246	. 96093 75
151	. 58984 375	183	. 71484 375	215	. 83984 375	247	. 96484 375
152	. 59375	184	. 71875	216	. 84375	248	. 96875
153	. 59765 625	185	. 72265 625	217	. 84765 625	249	. 97265 625
154	. 60156 25	186	. 72656 25	218	. 85156 25	250	. 97656 25
155	. 60546 875	187	. 73046 875	219	. 85546 875	251	. 98046 875
156	. 60937 5	188	. 73437 5	220	. 85937 5	252	. 98437 5
157	. 61328 125	189	. 73828 125	221	. 86328 125	253	. 98828 125
158	. 61718 75	190	. 74218 75	222	. 86718 75	254	. 99218 75
159	. 62109 375	191	. 74609 375	223	. 87109 375	255	. 99609 375
160	. 625	192	. 75	224	. 875	256	1.

T A B L E V.

Shewing the exact Price per Lb. in Decimals of a Pound Sterling,
of any Article, at any given Price, from One Farthing to One
Shilling per Hundred Weight.

Price per Cwt.	Value per Lb.	Price per Cwt.	Value per Lb.
d.	£	d.	£
$\frac{1}{4}$	. 00000 93005 95238 0	$6\frac{1}{4}$	. 00023 25148 80952 3
$\frac{1}{2}$	. 00001 86011 90476	$6\frac{1}{2}$	. 00024 18154 76190
$\frac{3}{4}$	. 00002 79017 85714 2	$6\frac{3}{4}$	. 00025 11160 71428 5
1	. 00003 72023 80952	7	. 00026 0410
$1\frac{1}{4}$	. 00004 65029 76190 4	$7\frac{1}{4}$	. 00026 97172 61904 7
$1\frac{1}{2}$	. 00005 58035 71428	$7\frac{1}{2}$	. 00027 90178 57142
$1\frac{3}{4}$	. 00006 51041 6	$7\frac{3}{4}$	. 00028 83184 52380 9
2	. 00007 44047 619	8	. 00029 76190 476
$2\frac{1}{4}$	. 00008 37053 57142 8	$8\frac{1}{4}$	. 00030 69196 42857 1
$2\frac{1}{2}$	. 00009 30059 52380	$8\frac{1}{2}$	. 00031 62202 38095
$2\frac{3}{4}$	. 00010 23065 47619 0	$8\frac{3}{4}$	. 00032 55208 3
3	. 00011 16071 4285	9	. 00033 48214 2857
$3\frac{1}{4}$	. 00012 09077 38095 2	$9\frac{1}{4}$	. 00034 41220 23809 5
$3\frac{1}{2}$	. 00013 02083	$9\frac{1}{2}$	. 00035 34226 19047
$3\frac{3}{4}$	. 00013 95089 28571 4	$9\frac{3}{4}$	. 00036 27232 14285 7
4	. 00014 88095 23	10	. 00037 20238 0952
$4\frac{1}{4}$	. 00015 81101 19047 6	$10\frac{1}{4}$	. 00038 13244 04761 9
$4\frac{1}{2}$	. 00016 74107 14285	$10\frac{1}{2}$	. 00039 0625
$4\frac{3}{4}$	. 00017 67113 09523 8	$10\frac{3}{4}$	. 00039 99255 95238 0
5	. 00018 60119 0476	11	. 00040 92261 9047
$5\frac{1}{4}$	. 00019 53125	$11\frac{1}{4}$	. 00041 85267 85714 2
$5\frac{1}{2}$	. 00020 46130 95238	$11\frac{1}{2}$	. 00042 78273 80952
$5\frac{3}{4}$	. 00021 39136 90476 1	$11\frac{3}{4}$	. 00043 71279 76190 4
6	. 00022 32142 857	12	. 00044 64285 71

T A B L E VI.

Shewing the exact Value of One Pound of any Article, at any Number of Shillings per Cwt. from One Shilling to Ten Guineas.

Cost per Cwt. in Shill.	Value of One Pound in Decimals of a £.	Cost per Cwt. in Shill.	Value of One Pound in Decimals of a £.	Cost per Cwt. in Shill.	Value of One Pound in Decimals of a £.
1	.00044 64285 7i	25	.01116 07142 85	49	.02187 5
2	.00089 28571 4	26	.01160 71428 5	50	.02232 14285 7
3	.00133 92857 14	27	.01205 35714 28	51	.02276 78571 42
4	.00178 57142	28	.0125	52	.02321 42857
5	.00223 21428 57	29	.01294 64285 7i	53	.02366 07142 85
6	.00267 85714 2	30	.01339 28571 4	54	.02410 71428 5
7	.00312 5	31	.01383 92857 14	55	.02455 35714 28
8	.00357 1428	32	.01428 57	56	.025
9	.00401 78571 42	33	.01473 21428 57	57	.02544 64285 7i
10	.00446 42857 i	34	.01517 85714 2	58	.02589 28571 4
11	.00491 07142 85	35	.01562 5	59	.02633 92857 14
12	.00535 71428	36	.01607 14285	60	.02678 57142
13	.00580 35714 28	37	.01651 78571 42	61	.02723 21428 57
14	.00625	38	.01696 42857 i	62	.02767 85714 2
15	.00669 64285 7i	39	.01741 07142 85	63	.02812 5
16	.00714 285	40	.01785 7142	64	.02857 14
17	.00758 92857 14	41	.01830 35714 28	65	.02901 78571 42
18	.00803 57142 8	42	.01875	66	.02946 42857 i
19	.00848 21428 57	43	.01919 64285 7i	67	.02991 07142 85
20	.00892 85714	44	.01964 2857i	68	.03035 71428
21	.00937 5	45	.02008 92857 14	69	.03080 35714 28
22	.00982 14285 7	46	.02053 57142 8	70	.03125
23	.01026 78571 42	47	.02098 21428 57	71	.03169 64285 7i
24	.01071 4285	48	.02142 857	72	.03214 2857

TABLE VI.
CONTINUED.

Cost per Cwt. in Shill.	Value of One Pound in Decimals of a £.	Cost per Cwt. in Shill.	Value of One Pound in Decimals of a £.	Cost per Cwt. in Shill.	Value of One Pound in Decimals of a £.
73	. 03258 92857 14	97	. 04330 35714 28	121	. 05401 78571 42
74	. 03303 57142 8	98	. 04375	122	. 05446 42857 1
75	. 03348 21428 57	99	. 04419 64285 71	123	. 05491 07142 85
76	. 03392 85714	100	. 04464 28571	124	. 05535 71428
77	. 03437 5	101	. 04508 92857 14	125	. 05580 35714 28
78	. 03482 14285 7	102	. 04553 57142 8	126	. 05625
79	. 03526 78571 42	103	. 04598 21428 57	127	. 05669 64285 71
80	. 03571 428	104	. 04642 8571	128	. 05714 285
81	. 03616 07142 85	105	. 04687 5	129	. 05758 92857 14
82	. 03660 71428 5	106	. 04732 14285 7	130	. 05803 57142 8
83	. 03705 35714 28	107	. 04776 78571 42	131	. 05848 21428 57
84	. 0375	108	. 04821 42857	132	. 05892 85714
85	. 03794 64285 71	109	. 04866 07142 85	133	. 05937 5
86	. 03839 28571 4	110	. 04910 71428 5	134	. 05982 14285 7
87	. 03883 92857 14	111	. 04955 35714 28	135	. 06026 78571 42
88	. 03928 5714	112	. 05	136	. 06071 4285
89	. 03973 21428 57	113	. 05044 64285 71	137	. 06116 07142 85
90	. 04017 85714 2	114	. 05089 28571 4	138	. 06160 71428 5
91	. 04062 5	115	. 05133 92857 14	139	. 06205 35714 28
92	. 04107 14285	116	. 05178 57142	140	. 0625
93	. 04151 78571 42	117	. 05223 21428 57	141	. 06294 64285 71
94	. 04196 42857 1	118	. 05267 85714 2	142	. 06339 28571 4
95	. 04241 07142 85	119	. 05312 5	143	. 06383 92857 14
96	. 04285 71	120	. 05357 1428	144	. 06428 571

TABLE VI.
C O N C L U D E D

Cost per Cwt. in Shill.	Value of One Pound in Decimals of a £.	Cost per Cwt. in Shill.	Value of One Pound in Decimals of a £.	Cost per Cwt. in Shill.	Value of One Pound in Decimals of a £.
145	. 06473 21428 57	169	. 07544 64285 71	193	. 08616 07142 85
146	. 06517 85714 2	170	. 07589 28571 4	194	. 08660 71428 5
147	. 06562 5	171	. 07633 92857 14	195	. 08705 35714 28
148	. 06607 14285	172	. 07678 57142	196	. 0875
149	. 06651 78571 42	173	. 07723 21428 57	197	. 08794 64285 71
150	. 06696 42857 1	174	. 07767 85714 2	198	. 08839 28571 4
151	. 06741 07142 85	175	. 07812 5	199	. 08883 92857 14
152	. 06785 7142	176	. 07857 142	200	. 08928 5714
153	. 06830 35714 28	177	. 07901 78571 42	201	. 08973 21428 57
154	. 06875	178	. 07946 42857 1	202	. 09017 85714 2
155	. 06919 64285 71	179	. 07991 07142 85	203	. 09062 5
156	. 06964 28571	180	. 08035 71428 5	204	. 09107 14285
157	. 07008 92857 14	181	. 08080 35714 28	205	. 09151 78571 42
158	. 07053 57142 8	182	. 08125	206	. 09196 42857 1
159	. 07098 21428 57	183	. 08169 64285 71	207	. 09241 07142 85
160	. 07142 85	184	. 08214 2857	208	. 09285 714
161	. 07187 5	185	. 08258 92857 14	209	. 09330 35714 28
162	. 07232 14285 7	186	. 08303 57142 8	210	. 09375
163	. 07276 78571 42	187	. 08348 21428 57		
164	. 07321 42857	188	. 08392 85714		
165	. 07366 07142 85	189	. 08437 5		
166	. 07410 71428 5	190	. 08482 14285 7		
167	. 07455 35714 28	191	. 08526 78571 42		
168	. 075	192	. 08571 42		

T A B L E S,

CONTAINING THE VALUE OF

ANY NUMBER OF GALLONS OF BEER,

A T A N Y P R I C E,

FROM ONE SHILLING TO FORTY-TWO SHILLINGS PER BARREL.

T. A. B. L. S.

CONTAINING THE VALUE OF

ANY NUMBER OF GALLONS OF BEER

AND PRICE

BEER NOT BEING SOLD FOR LESS THAN THE PRICE

TABLE VII.

Containing the Value of any Number of Gallons of Beer, &c. both in Decimals of, and also in, English Money; at any Number of Shillings, from One, to Forty-two, per Barrel.

Price per Barrel.		Gallons. 1			Gallons. 2			Gallons. 3		
£	s.	£	s.	d.	£	s.	d.	£	s.	d.
0.05	1	0.00138	0	0 $\frac{1}{4}$	0.0027	0	0 $\frac{3}{4}$	0.00416	0	1
.1	2	.0027	0	0 $\frac{3}{4}$	.005	0	1 $\frac{1}{4}$	.0083	0	2
.15	3	.00416	0	1	.0083	0	2	.0125	0	3
.2	4	.005	0	1 $\frac{1}{4}$	.01	0	2 $\frac{3}{4}$	.016	0	4
.25	5	.00694	0	1 $\frac{3}{4}$	.0138	0	3 $\frac{1}{4}$	.02083	0	5
.3	6	.0083	0	2	.016	0	4	.025	0	6
.35	7	.00972	0	2 $\frac{1}{2}$	.0194	0	4 $\frac{3}{4}$	.02916	0	7
.4	8	.01	0	2 $\frac{3}{4}$	.02	0	5 $\frac{1}{4}$	.03	0	8
.45	9	.0125	0	3	.025	0	6	.0375	0	9
.5	10	.0138	0	3 $\frac{1}{2}$	.027	0	6 $\frac{3}{4}$	.0416	0	10
.55	11	.01527	0	3 $\frac{3}{4}$	.0305	0	7 $\frac{1}{4}$	.04583	0	11
.6	12	.016	0	4	.03	0	8	.05	1	0
.65	13	.01805	0	4 $\frac{1}{2}$	.0361	0	8 $\frac{3}{4}$	.05416	1	1
.7	14	.0194	0	4 $\frac{3}{4}$	.038	0	9 $\frac{1}{4}$	.0583	1	2
.75	15	.02083	0	5	.0416	0	10	.0625	1	3
.8	16	.02	0	5 $\frac{1}{4}$	.04	0	10 $\frac{1}{2}$	.06	1	4
.85	17	.02361	0	5 $\frac{3}{4}$	.0472	0	11 $\frac{1}{4}$	.07083	1	5
.9	18	.025	0	6	.05	1	0	.075	1	6
.95	19	.02638	0	6 $\frac{1}{4}$	.0527	1	0 $\frac{3}{4}$	.07916	1	7
1.	20	.027	0	6 $\frac{3}{4}$	.05	1	1 $\frac{1}{4}$	.083	1	8
1.05	21	.02916	0	7	.0583	1	2	.0875	1	9
1.1	22	.0305	0	7 $\frac{1}{4}$	.061	1	2 $\frac{3}{4}$	.0916	1	10
1.15	23	.03194	0	7 $\frac{3}{4}$	.0638	1	3 $\frac{1}{2}$	.09583	1	11
1.2	24	.03	0	8	.06	1	4	.1	2	0
1.25	25	.03472	0	8 $\frac{1}{2}$	.0694	1	4 $\frac{1}{2}$	.10416	2	1
1.3	26	.0361	0	8 $\frac{3}{4}$	.072	1	5 $\frac{1}{4}$	.1083	2	2
1.35	27	.0375	0	9	.075	1	6	.1125	2	3
1.4	28	.038	0	9 $\frac{1}{4}$	.07	1	6 $\frac{1}{2}$	.116	2	4
1.45	29	.04027	0	9 $\frac{1}{2}$	.0805	1	7 $\frac{1}{4}$	.12083	2	5
1.5	30	.0416	0	10	.083	1	8	.125	2	6
1.55	31	.04305	0	10 $\frac{1}{4}$	.0861	1	8 $\frac{3}{4}$	.12916	2	7
1.6	32	.04	0	10 $\frac{1}{2}$	.08	1	9 $\frac{1}{4}$	.13	2	8
1.65	33	.04583	0	11	.0916	1	10	.1375	2	9
1.7	34	.0472	0	11 $\frac{1}{4}$	.094	1	10 $\frac{1}{2}$	.1416	2	10
1.75	35	.04861	0	11 $\frac{3}{4}$	.0972	1	11 $\frac{1}{4}$	.14583	2	11
1.8	36	.05	1	0	.1	2	0	.15	3	0
1.85	37	.05138	1	0 $\frac{1}{4}$	.1027	2	0 $\frac{3}{4}$	.15416	3	1
1.9	38	.0527	1	0 $\frac{3}{4}$	.105	2	1 $\frac{1}{4}$	.1583	3	2
1.95	39	.05416	1	1	.1083	2	2	.1625	3	3
2.	40	.05	1	1 $\frac{1}{4}$	.1	2	2 $\frac{3}{4}$	.16	3	4
2.05	41	.05694	1	1 $\frac{3}{4}$	.1138	2	3 $\frac{1}{2}$	.17083	3	5
2.1	42	.0583	1	2	.116	2	4	.175	3	6

TABLE VII.
CONTINUED.

Price per Barrel.		Gallons. 4			Gallons. 5			Gallons. 6		
£	s.	£	s.	d.	£	s.	d.	£	s.	d.
0.05	1	0.005	0	1 $\frac{1}{4}$	0.00694	0	1 $\frac{3}{4}$	0.0083	0	2
.1	2	.01	0	2 $\frac{3}{4}$	.0137	0	3 $\frac{1}{2}$	.016	0	4
.15	3	.016	0	4	.02083	0	5	.025	0	6
.2	4	.02	0	5 $\frac{1}{4}$	.027	0	6 $\frac{3}{4}$	.03	0	8
.25	5	.027	0	6 $\frac{1}{2}$	.03472	0	8 $\frac{1}{4}$	.0416	0	10
.3	6	.03	0	8	.0416	0	10	.05	1	0
.35	7	.038	0	9 $\frac{1}{4}$	.04861	0	11 $\frac{3}{4}$	.0583	1	2
.4	8	.04	0	10 $\frac{1}{2}$	.05	1	1 $\frac{1}{4}$	.06	1	4
.45	9	.05	1	0	.0625	1	3	.075	1	6
.5	10	.05	1	1 $\frac{1}{4}$	.0694	1	4 $\frac{1}{2}$	.083	1	8
.55	11	.061	1	2 $\frac{3}{4}$	.07638	1	6 $\frac{1}{4}$	.0916	1	10
.6	12	.06	1	4	.083	1	8	.1	2	0
.65	13	.072	1	5 $\frac{1}{4}$	.09027	1	9 $\frac{1}{2}$	.1083	2	2
.7	14	.07	1	6 $\frac{1}{2}$	.0972	1	11 $\frac{1}{4}$	.116	2	4
.75	15	.083	1	8	.10416	2	1	.125	2	6
.8	16	.08	1	9 $\frac{1}{4}$	.1	2	2 $\frac{3}{4}$	.13	2	8
.85	17	.094	1	10 $\frac{1}{2}$	.11805	2	4 $\frac{1}{4}$	.1416	2	10
.9	18	.1	2	0	.125	2	6	.15	3	0
.95	19	.105	2	1 $\frac{1}{4}$	.13194	2	7 $\frac{3}{4}$	.1583	3	2
1.	20	.1	2	2 $\frac{3}{4}$	.138	2	9 $\frac{1}{4}$	.16	3	4
1.05	21	.116	2	4	.14583	2	11	.175	3	6
1.1	22	.12	2	5 $\frac{1}{4}$	.1527	3	0 $\frac{3}{4}$	.183	3	8
1.15	23	.127	2	6 $\frac{3}{4}$	.15972	3	2 $\frac{1}{2}$	.1916	3	10
1.2	24	.13	2	8	.16	3	4	.2	4	0
1.25	25	.138	2	9 $\frac{1}{4}$	.17361	3	5 $\frac{3}{4}$	.2083	4	2
1.3	26	.14	2	10 $\frac{1}{2}$	.1805	3	7 $\frac{1}{2}$	.216	4	4
1.35	27	.15	3	0	.1875	3	9	.225	4	6
1.4	28	.15	3	1 $\frac{1}{4}$	.194	3	10 $\frac{1}{2}$	.23	4	8
1.45	29	.161	3	2 $\frac{3}{4}$	.20138	4	0 $\frac{1}{4}$	.2416	4	10
1.5	30	.16	3	4	.2083	4	2	.25	5	0
1.55	31	.172	3	5 $\frac{1}{4}$	.21527	4	3 $\frac{3}{4}$	.2583	5	2
1.6	32	.17	3	6 $\frac{3}{4}$	.2	4	5 $\frac{1}{4}$	.26	5	4
1.65	33	.183	3	8	.22916	4	7	.275	5	6
1.7	34	.18	3	9 $\frac{1}{4}$	.2361	4	8 $\frac{3}{4}$	.283	5	8
1.75	35	.194	3	10 $\frac{1}{2}$	.24305	4	10 $\frac{1}{4}$	.2916	5	10
1.8	36	.2	4	0	.25	5	0	.3	6	0
1.85	37	.205	4	1 $\frac{1}{4}$	.25694	5	1 $\frac{3}{4}$	.3083	6	2
1.9	38	.21	4	2 $\frac{3}{4}$	.2637	5	3 $\frac{1}{2}$	.316	6	4
1.95	39	.216	4	4	.27083	5	5	.325	6	6
2.	40	.2	4	5 $\frac{1}{4}$	.27	5	6 $\frac{3}{4}$	.3	6	8
2.05	41	.227	4	6 $\frac{3}{4}$	.28472	5	8 $\frac{1}{4}$	.3416	6	10
2.1	42	.23	4	8	.2916	5	10	.35	7	0

TABLE VII.
CONTINUED.

Price per Barrel.		Gallons. 7		Gallons. 8		Gallons. 9	
£	s.	£	s. d.	£	s. d.	£	s. d.
0.05	1	0.00972	0 2½	0.01	0 2¾	0.0125	0 3
.1	2	.0193	0 4½	.02	0 5¼	.025	0 6
.15	3	.02916	0 7	.03	0 8	.0375	0 9
.2	4	.038	0 9½	.04	0 10½	.05	1 0
.25	5	.04861	0 11¾	.05	1 1¼	.0625	1 3
.3	6	.0583	1 2	.06	1 4	.075	1 6
.35	7	.06805	1 4¼	.07	1 6¾	.0875	1 9
.4	8	.07	1 6½	.08	1 9¼	.1	2 0
.45	9	.0875	1 9	.1	2 0	.1125	2 3
.5	10	.0972	1 11¼	.1	2 2¾	.125	2 6
.55	11	.10694	2 1¾	.12	2 5¼	.1375	2 9
.6	12	.116	2 4	.13	2 8	.15	3 0
.65	13	.12638	2 6¼	.14	2 10½	.1625	3 3
.7	14	.1361	2 8¾	.15	3 1¼	.175	3 6
.75	15	.14583	2 11	.16	3 4	.1875	3 9
.8	16	.15	3 1¼	.17	3 6¾	.2	4 0
.85	17	.16527	3 3¾	.18	3 9¼	.2125	4 3
.9	18	.175	3 6	.2	4 0	.225	4 6
.95	19	.18472	3 8½	.21	4 2¾	.2375	4 9
1.	20	.194	3 10½	.2	4 5¼	.25	5 0
1.05	21	.20416	4 1	.23	4 8	.2625	5 3
1.1	22	.2138	4 3½	.24	4 10½	.275	5 6
1.15	23	.22361	4 5½	.25	5 1¼	.2875	5 9
1.2	24	.23	4 8	.26	5 4	.3	6 0
1.25	25	.24305	4 10¼	.27	5 6¾	.3125	6 3
1.3	26	.2527	5 0¾	.28	5 9¼	.325	6 6
1.35	27	.2625	5 3	.3	6 0	.3375	6 9
1.4	28	.272	5 5¼	.31	6 2¾	.35	7 0
1.45	29	.28194	5 7¾	.32	6 5¼	.3625	7 3
1.5	30	.2916	5 10	.3	6 8	.375	7 6
1.55	31	.30138	6 0¼	.34	6 10½	.3875	7 9
1.6	32	.31	6 2¾	.35	7 1¼	.4	8 0
1.65	33	.32083	6 5	.36	7 4	.4125	8 3
1.7	34	.3305	6 7¼	.37	7 6½	.425	8 6
1.75	35	.34027	6 9½	.38	7 9¼	.4375	8 9
1.8	36	.35	7 1¼	.4	8 0	.45	9 0
1.85	37	.35972	7 2½	.41	8 2¾	.4625	9 3
1.9	38	.3693	7 4½	.42	8 5¼	.475	9 6
1.95	39	.37916	7 7	.43	8 8	.4875	9 9
2.	40	.38	7 9¼	.4	8 10½	.5	10 0
2.05	41	.39861	7 11¾	.45	9 1¼	.5125	10 3
2.1	42	.4083	8 2	.46	9 4	.525	10 6

TABLE VII.
CONTINUED.

Price per Barrel.		Gallons. 10		Gallons. 11		Gallons. 12	
£	s.	£	s. d.	£	s. d.	£	s. d.
0.05	1	0.0138	0 3½	0.01527	0 3¾	0.016	0 4
.1	2	.027	0 6¾	.0305	0 7¾	.03	0 8
.15	3	.0416	0 10	.04583	0 11	.05	1 0
.2	4	.05	1 1¼	.061	1 2¾	.06	1 4
.25	5	.0694	1 4½	.07638	1 6¼	.083	1 8
.3	6	.083	1 8	.0916	1 10	.1	2 0
.35	7	.0972	1 11¼	.10694	2 1¾	.116	2 4
.4	8	.1	2 2¾	.12	2 5¼	.13	2 8
.45	9	.125	2 6	.1375	2 9	.15	3 0
.5	10	.138	2 9¼	.1527	3 0¾	.16	3 4
.55	11	.1527	3 0¾	.16805	3 4¼	.183	3 8
.6	12	.16	3 4	.183	3 8	.2	4 0
.65	13	.1805	3 7¼	.19861	3 11¾	.216	4 4
.7	14	.194	3 10½	.2138	4 3½	.23	4 8
.75	15	.2083	4 2	.22916	4 7	.25	5 0
.8	16	.2	4 5¼	.24	4 10½	.26	5 4
.85	17	.2361	4 8¾	.25972	5 2½	.283	5 8
.9	18	.25	5 0	.275	5 6	.3	6 0
.95	19	.2638	5 3½	.29027	5 9½	.316	6 4
1.	20	.27	5 6¾	.305	6 1¼	.3	6 8
1.05	21	.2916	5 10	.32083	6 5	.35	7 0
1.1	22	.305	6 1¼	.3361	6 8¾	.36	7 4
1.15	23	.3194	6 4¾	.35138	7 0¼	.383	7 8
1.2	24	.3	6 8	.36	7 4	.4	8 0
1.25	25	.3472	6 11¼	.38194	7 7¾	.416	8 4
1.3	26	.361	7 2¾	.3972	7 11¼	.43	8 8
1.35	27	.375	7 6	.4125	8 3	.45	9 0
1.4	28	.38	7 9¼	.427	8 6¾	.46	9 4
1.45	29	.4027	8 0¾	.44305	8 10¼	.483	9 8
1.5	30	.416	8 4	.4583	9 2	.5	10 0
1.55	31	.4305	8 7¼	.47361	9 5¾	.516	10 4
1.6	32	.4	8 10½	.48	9 9	.53	10 8
1.65	33	.4583	9 2	.50416	10 1	.55	11 0
1.7	34	.472	9 5¼	.5194	10 4¾	.56	11 4
1.75	35	.4861	9 8¾	.53472	10 8¼	.583	11 8
1.8	36	.5	10 0	.55	11 0	.6	12 0
1.85	37	.5138	10 3½	.56527	11 3¾	.616	12 4
1.9	38	.527	10 6¾	.5805	11 7¼	.63	12 8
1.95	39	.5416	10 10	.59583	11 11	.65	13 0
2.	40	.5	11 1¼	.61	12 2¾	.6	13 4
2.05	41	.5694	11 4½	.62638	12 6¼	.683	13 8
2.1	42	.583	11 8	.6416	12 10	.7	14 0

TABLE VII.
CONTINUED.

Price per Barrel.		Gallons. 13			Gallons.. 14			Gallons. 15		
£	s.	£	s.	d.	£	s.	d.	£	s.	d.
0.05	1	0.01805	0	4 $\frac{1}{4}$	0.0194	0	4 $\frac{1}{2}$	0.02083	0	5
.1	2	.0361	0	8 $\frac{3}{4}$	.038	0	9 $\frac{1}{4}$	.0416	0	10
.15	3	.05417	1	1	.0583	1	2	.0625	1	3
.2	4	.072	1	5 $\frac{1}{4}$	.07	1	6 $\frac{3}{4}$	.083	1	8
.25	5	.09027	1	9 $\frac{1}{2}$	.0972	1	11 $\frac{1}{4}$	.10416	2	1
.3	6	.1083	2	2	.116	2	4	.125	2	6
.35	7	.12638	2	6 $\frac{1}{4}$	.1361	2	8 $\frac{3}{4}$	.14583	2	11
.4	8	.14	2	10 $\frac{1}{2}$	.15	3	1 $\frac{1}{4}$	.16	3	4
.45	9	.1625	3	3	.175	3	6	.1875	3	9
.5	10	.1805	3	7 $\frac{1}{4}$	.194	3	10 $\frac{1}{2}$	.2083	4	2
.55	11	.19861	3	11 $\frac{3}{4}$	.2138	4	3 $\frac{1}{2}$	.22916	4	7
.6	12	.216	4	4	.23	4	8	.25	5	0
.65	13	.23472	4	8 $\frac{1}{4}$	.2527	5	0 $\frac{3}{4}$	.27083	5	5
.7	14	.2527	5	0 $\frac{3}{4}$	.272	5	5 $\frac{1}{4}$	.2916	5	10
.75	15	.27083	5	5	.2916	5	10	.3125	6	3
.8	16	.28	5	9 $\frac{1}{4}$	.31	6	2 $\frac{3}{4}$	.3	6	8
.85	17	.30694	6	1 $\frac{3}{4}$	.3305	6	7 $\frac{1}{4}$	.35416	7	1
.9	18	.325	6	6	.35	7	0	.375	7	6
.95	19	.34305	6	10 $\frac{1}{4}$	.3694	7	4 $\frac{1}{2}$	.39583	7	11
1.	20	.361	7	2 $\frac{3}{4}$	.38	7	9 $\frac{1}{4}$	.416	8	4
1.05	21	.37916	7	7	.4083	8	2	.4375	8	9
1.1	22	.3972	7	11 $\frac{1}{4}$	.427	8	6 $\frac{3}{4}$	.4583	9	2
1.15	23	.41527	8	3 $\frac{3}{4}$	.4472	8	11 $\frac{1}{4}$	.47916	9	7
1.2	24	.43	8	8	.46	9	4	.5	10	0
1.25	25	.45138	9	0 $\frac{1}{4}$	.4861	9	8 $\frac{3}{4}$	.52083	10	5
1.3	26	.4694	9	4 $\frac{1}{2}$	.505	10	1 $\frac{1}{4}$	.5416	10	10
1.35	27	.4875	9	9	.525	10	6	.5625	11	3
1.4	28	.505	10	1 $\frac{1}{4}$	.54	10	10 $\frac{1}{2}$	.583	11	8
1.45	29	.52361	10	5 $\frac{3}{4}$	.5638	11	3 $\frac{1}{2}$	.60416	12	1
1.5	30	.5416	10	10	.583	11	8	.625	12	6
1.55	31	.55972	11	2 $\frac{1}{2}$	.6027	12	0 $\frac{3}{4}$	.64583	12	11
1.6	32	.57	11	6 $\frac{3}{4}$	.62	12	5 $\frac{1}{4}$	.6	13	4
1.65	33	.59583	11	11	.6416	12	10	.6875	13	9
1.7	34	.6138	12	3 $\frac{1}{2}$	.661	13	2 $\frac{3}{4}$	.7083	14	2
1.75	35	.63194	12	7 $\frac{3}{4}$	.6805	13	7 $\frac{1}{4}$	.72916	14	7
1.8	36	.65	13	0	.7	14	0	.75	15	0
1.85	37	.66805	13	4 $\frac{1}{2}$	.7194	14	4 $\frac{3}{4}$	.77083	15	5
1.9	38	.6861	13	8 $\frac{3}{4}$	.738	14	9 $\frac{1}{4}$	.7916	15	10
1.95	39	.70416	14	1	.7583	15	2	.8125	16	3
2.	40	.72	14	5 $\frac{1}{4}$	.7	15	6 $\frac{3}{4}$	.83	16	8
2.05	41	.74027	14	9 $\frac{1}{2}$	.7972	15	11 $\frac{1}{4}$	.85416	17	1
2.1	42	.7583	15	2	.816	16	4	.875	17	6

TABLE VII.
CONTINUED.

Price per Barrel.		Gallons. 16		Gallons. 17		Gallons. 18	
£	s.	£	s. d.	£	s. d.	£	s. d.
0.05	1	0.02	0 5 $\frac{1}{4}$	0.02361	0 5 $\frac{3}{4}$	0.025	0 6
.1	2	.04	0 10 $\frac{1}{2}$	.0472	0 11 $\frac{1}{4}$	.05	1 0
.15	3	.06	1 4	.07083	1 5	.075	1 6
.2	4	.08	1 9 $\frac{1}{4}$	.094	1 10 $\frac{1}{2}$	.1	2 0
.25	5	.1	2 2 $\frac{3}{4}$	.11805	2 4 $\frac{1}{2}$	.125	2 6
.3	6	.13	2 8	.1416	2 10	.15	3 0
.35	7	.15	3 1 $\frac{1}{4}$	.16527	3 3 $\frac{3}{4}$	.175	3 6
.4	8	.17	3 6 $\frac{1}{2}$	.18	3 9 $\frac{1}{4}$	.2	4 0
.45	9	.2	4 0	.2125	4 3	.225	4 6
.5	10	.2	4 5 $\frac{1}{4}$	.2361	4 8 $\frac{3}{4}$	.25	5 0
.55	11	.24	4 10 $\frac{1}{2}$	.25972	5 2 $\frac{1}{2}$	.275	5 6
.6	12	.26	5 4	.283	5 8	.3	6 0
.65	13	.28	5 9 $\frac{1}{4}$	.30694	6 1 $\frac{3}{4}$	.325	6 6
.7	14	.31	6 2 $\frac{3}{4}$	.3305	6 7 $\frac{1}{4}$	.35	7 0
.75	15	.3	6 8	.35416	7 1	.375	7 6
.8	16	.35	7 1 $\frac{1}{4}$	.37	7 6 $\frac{3}{4}$	.4	8 0
.85	17	.37	7 6 $\frac{1}{2}$	.40138	8 0 $\frac{1}{4}$	.425	8 6
.9	18	.4	8 0	.425	8 6	.45	9 0
.95	19	.42	8 5 $\frac{1}{4}$	.44861	8 11 $\frac{3}{4}$	.475	9 6
1.	20	.4	8 10 $\frac{1}{2}$	.472	9 5 $\frac{1}{4}$	.5	10 0
1.05	21	.46	9 4	.49583	9 11	.525	10 6
1.1	22	.48	9 9 $\frac{1}{4}$	.5194	10 4 $\frac{3}{4}$	.55	11 0
1.15	23	.51	10 2 $\frac{3}{4}$	.54305	10 10 $\frac{1}{4}$	.575	11 6
1.2	24	.53	10 8	.56	11 4	.6	12 0
1.25	25	.5	11 1 $\frac{1}{4}$	.59027	11 9 $\frac{1}{2}$	.625	12 6
1.3	26	.57	11 4 $\frac{3}{4}$	.6138	12 3 $\frac{1}{2}$	.65	13 0
1.35	27	.6	12 0	.6375	12 9	.675	13 6
1.4	28	.62	12 5 $\frac{1}{4}$	.661	13 2 $\frac{3}{4}$	.7	14 0
1.45	29	.64	12 10 $\frac{1}{2}$	.68472	13 8 $\frac{1}{4}$	.725	14 6
1.5	30	.6	13 4	.7083	14 2	.75	15 0
1.55	31	.68	13 9 $\frac{1}{4}$	.73194	14 7 $\frac{3}{4}$	.775	15 6
1.6	32	.71	14 2 $\frac{3}{4}$	.75	15 1 $\frac{1}{4}$	.8	16 0
1.65	33	.73	14 8	.77916	15 7	.825	16 6
1.7	34	.75	15 1 $\frac{1}{4}$	.8027	16 0 $\frac{3}{4}$	.85	17 0
1.75	35	.7	15 6 $\frac{3}{4}$	.82638	16 6 $\frac{1}{4}$	.875	17 6
1.8	36	.8	16 0	.85	17 0	.9	18 0
1.85	37	.82	16 5 $\frac{1}{4}$	.87361	17 5 $\frac{3}{4}$	.925	18 6
1.9	38	.84	16 10 $\frac{1}{2}$	.8972	17 11 $\frac{1}{4}$	.95	19 0
1.95	39	.86	17 4	.92083	18 5	.975	19 6
2.	40	.8	17 9 $\frac{1}{4}$	.94	18 10 $\frac{1}{2}$	1.	20 0
2.05	41	.91	18 2 $\frac{3}{4}$	.96805	19 4 $\frac{1}{4}$	1.025	20 6
2.1	42	.93	18 8	.9916	19 10	1.05	21 0

TABLE VII.
CONTINUED.

Price per Barrel.		Gallons. 19			Gallons. 20			Gallons. 21		
£	s.	£	s.	d.	£	s.	d.	£	s.	d.
0.05	1	0.02638	0	6 $\frac{1}{4}$	0.027	0	6 $\frac{3}{4}$	0.02916	0	7
.1	2	.0527	1	0 $\frac{3}{4}$	.05	1	1 $\frac{1}{4}$	.0583	1	2
.15	3	.07916	1	7	.083	1	8	.0875	1	9
.2	4	.105	2	1 $\frac{1}{4}$	.1	2	2 $\frac{3}{4}$	.116	2	4
.25	5	.13194	2	7 $\frac{3}{4}$	.138	2	9 $\frac{1}{4}$	.14583	2	11
.3	6	.1583	3	2	.16	3	4	.175	3	6
.35	7	.18472	3	8 $\frac{1}{4}$	.194	3	10 $\frac{1}{2}$	.20416	4	1
.4	8	.21	4	2 $\frac{3}{4}$	.2	4	5 $\frac{1}{4}$	.23	4	8
.45	9	.23749	4	9	.25	5	0	.2625	5	3
.5	10	.2638	5	3 $\frac{1}{2}$	.27	5	6 $\frac{1}{2}$	.2916	5	10
.55	11	.29027	5	9 $\frac{1}{2}$	.305	6	1 $\frac{1}{4}$	.32083	6	5
.6	12	.316	6	4	.3	6	8	.35	7	0
.65	13	.34305	6	10 $\frac{1}{4}$	.361	7	2 $\frac{3}{4}$	.37916	7	7
.7	14	.3694	7	4 $\frac{1}{2}$	.38	7	9 $\frac{1}{4}$	.4083	8	2
.75	15	.39583	7	11	.416	8	4	.4375	8	9
.8	16	.42	8	5 $\frac{1}{4}$	.4	8	10 $\frac{1}{2}$	.46	9	4
.85	17	.44861	8	11 $\frac{3}{4}$	.472	9	5 $\frac{1}{4}$	.49583	9	11
.9	18	.475	9	6	.5	10	0	.525	10	6
.95	19	.50138	10	0 $\frac{1}{4}$	.527	10	6 $\frac{3}{4}$	.55416	11	1
1.	20	.527	10	6 $\frac{3}{4}$	.5	11	1 $\frac{1}{4}$	.583	11	8
1.05	21	.55416	11	1	.583	11	8	.6125	12	3
1.1	22	.5805	11	7 $\frac{1}{4}$	.61	12	2 $\frac{3}{4}$	.6416	12	10
1.15	23	.60694	12	1 $\frac{3}{4}$	.638	12	9 $\frac{1}{4}$	.67083	13	5
1.2	24	.63	12	8	.6	13	4	.7	14	0
1.25	25	.65972	13	2 $\frac{1}{2}$	.694	13	10 $\frac{1}{2}$	.72916	14	7
1.3	26	.6861	13	8 $\frac{3}{4}$	.72	14	5 $\frac{1}{4}$	.7583	15	2
1.35	27	.7125	14	3	.75	15	0	.7875	15	9
1.4	28	.738	14	9 $\frac{1}{4}$	.7	15	6 $\frac{3}{4}$	.816	16	4
1.45	29	.76527	15	3 $\frac{3}{4}$	.805	16	1 $\frac{1}{4}$	.84583	16	11
1.5	30	.7916	15	10	.83	16	8	.875	17	6
1.55	31	.81805	16	4 $\frac{1}{4}$	.861	17	2 $\frac{3}{4}$	.90416	18	1
1.6	32	.84	16	10 $\frac{1}{2}$	.8	17	9 $\frac{1}{4}$	.93	18	8
1.65	33	.87083	17	5	.916	18	4	.9625	19	3
1.7	34	.8972	17	11 $\frac{1}{4}$	.94	18	10 $\frac{1}{2}$	.9916	19	10
1.75	35	.92361	18	5 $\frac{3}{4}$	.972	19	5 $\frac{1}{4}$	1.02083	20	5
1.8	36	.95	19	0	1.0	20	0	1.05	21	0
1.85	37	.97638	19	6 $\frac{1}{4}$	1.027	20	6 $\frac{3}{4}$	1.07916	21	7
1.9	38	1.0027	20	0 $\frac{3}{4}$	1.05	21	1 $\frac{1}{4}$	1.1083	22	2
1.95	39	1.02916	20	7	1.083	21	8	1.1375	22	9
2.	40	1.05	21	1 $\frac{1}{4}$	1.1	22	2 $\frac{3}{4}$	1.16	23	4
2.05	41	1.08194	21	7 $\frac{3}{4}$	1.138	22	9 $\frac{1}{2}$	1.19583	23	11
2.1	42	1.1083	22	2	1.16	23	4	1.225	24	6

TABLE VII.
CONTINUED.

Price per Barrel.		Gallons. 22		Gallons. 23		Gallons. 24	
£	s.	£	s. d.	£	s. d.	£	s. d.
0.05	1	0.0305	0 7½	0.03194	0 7¾	0.03	0 8
.1	2	.061	1 2¾	.0638	1 3½	.06	1 4
.15	3	.0916	1 10	.09583	1 11	.1	2 0
.2	4	.12	2 5¼	.127	2 6¾	.13	2 8
.25	5	.1527	3 0¾	.15972	3 2½	.16	3 4
.3	6	.183	3 8	.1916	3 10	.2	4 0
.35	7	.2138	4 3¼	.22361	4 5¾	.23	4 8
.4	8	.24	4 10½	.25	5 1¼	.26	5 4
.45	9	.275	5 6	.2875	5 9	.3	6 0
.5	10	.305	6 1¼	.3194	6 4¾	.3	6 8
.55	11	.3361	6 8¾	.35138	7 0¼	.36	7 4
.6	12	.36	7 4	.383	7 8	.4	8 0
.65	13	.3972	7 11¼	.41527	8 3¾	.43	8 8
.7	14	.427	8 6¾	.4472	8 11¼	.46	9 4
.75	15	.4583	9 2	.47916	9 7	.5	10 0
.8	16	.48	9 9¼	.51	10 2¾	.53	10 8
.85	17	.5194	10 4¾	.54305	10 10¼	.56	11 4
.9	18	.55	11 0	.575	11 6	.6	12 0
.95	19	.5805	11 7¼	.60694	12 1¾	.63	12 8
1.	20	.61	12 2¾	.638	12 9¼	.6	13 4
1.05	21	.6416	12 10	.67083	13 5	.7	14 0
1.1	22	.672	13 5¼	.7027	14 0¾	.73	14 8
1.15	23	.7027	14 0¾	.73472	14 8¼	.76	15 4
1.2	24	.73	14 8	.76	15 4	.8	16 0
1.25	25	.7638	15 3¼	.79861	15 11¾	.83	16 8
1.3	26	.794	15 10½	.8305	16 7¼	.86	17 4
1.35	27	.825	16 6	.8625	17 3	.9	18 0
1.4	28	.85	17 1¼	.894	17 10½	.93	18 8
1.45	29	.8861	17 8¾	.92638	18 6¼	.96	19 4
1.5	30	.916	18 4	.9583	19 2	1.	20 0
1.55	31	.9472	18 11¼	.99027	19 9½	1.03	20 8
1.6	32	.97	19 6¾	1.02	20 5¼	1.06	21 4
1.65	33	1.0083	20 2	1.05416	21 1	1.1	22 0
1.7	34	1.038	20 9¼	1.0861	21 8¾	1.13	22 8
1.75	35	1.0694	21 4¾	1.11805	22 4¼	1.16	23 4
1.8	36	1.1	22 0	1.15	23 0	1.2	24 0
1.85	37	1.1305	22 7¼	1.18194	23 7¾	1.23	24 8
1.9	38	1.161	23 2¾	1.2138	24 3¼	1.26	25 4
1.95	39	1.1916	23 10	1.24583	24 11	1.3	26 0
2.	40	1.2	24 5¼	1.27	25 6½	1.3	26 8
2.05	41	1.2527	25 0¾	1.30972	26 2¼	1.36	27 4
2.1	42	1.283	25 8	1.3416	26 10	1.4	28 0

TABLE VII.
CONTINUED.

Price per Barrel.		Gallons. 25		Gallons. 26		Gallons. 27	
£	s.	£	s. d.	£	s. d.	£	s. d.
0.05	1	0.03472	0 8 $\frac{1}{4}$	0.0361	0 8 $\frac{3}{4}$	0.0375	0 9
.1	2	.0694	1 4 $\frac{1}{2}$	.072	1 5 $\frac{1}{4}$	.075	1 6
.15	3	.10416	2 1	.1083	2 2	.1125	2 3
.2	4	.138	2 9 $\frac{1}{4}$	.14	2 10 $\frac{1}{2}$	.15	3 0
.25	5	.17361	3 5 $\frac{3}{4}$	.1805	3 7 $\frac{1}{4}$	.1875	3 9
.3	6	.2083	4 2	.216	4 4	.225	4 6
.35	7	.24305	4 10 $\frac{1}{4}$	.2527	5 0 $\frac{3}{4}$	.2625	5 3
.4	8	.27	5 6 $\frac{3}{4}$	.28	5 9 $\frac{1}{4}$	.3	6 0
.45	9	.3125	6 3	.325	6 6	.3375	6 9
.5	10	.3472	6 11 $\frac{1}{4}$	.361	7 2 $\frac{3}{4}$	.375	7 6
.55	11	.38194	7 7 $\frac{3}{4}$	.3972	7 11 $\frac{1}{4}$	.4125	8 3
.6	12	.416	8 4	.43	8 8	.45	9 0
.65	13	.45138	9 0 $\frac{1}{4}$	.4694	9 4 $\frac{1}{2}$	.4875	9 9
.7	14	.4861	9 8 $\frac{1}{2}$	.505	10 1 $\frac{1}{4}$	.525	10 6
.75	15	.52083	10 5	.5416	10 10	.5625	11 3
.8	16	.5	11 1 $\frac{1}{4}$	.57	11 6 $\frac{3}{4}$	.6	12 0
.85	17	.59027	11 9 $\frac{1}{2}$	.6138	12 3 $\frac{1}{4}$	.6375	12 9
.9	18	.625	12 6	.65	13 0	.675	13 6
.95	19	.65972	13 2 $\frac{1}{4}$	.6861	13 8 $\frac{3}{4}$	.7125	14 3
1.	20	.694	13 10 $\frac{1}{2}$	.72	14 5 $\frac{1}{4}$	.75	15 0
1.05	21	.72916	14 7	.7583	15 2	.7875	15 9
1.1	22	.7638	15 3 $\frac{1}{4}$	.794	15 10 $\frac{1}{2}$	.825	16 6
1.15	23	.79861	15 11 $\frac{3}{4}$	.8305	16 7 $\frac{1}{4}$	.8625	17 3
1.2	24	.83	16 8	.86	17 4	.9	18 0
1.25	25	.86805	17 4 $\frac{1}{4}$	.9027	18 0 $\frac{3}{4}$	.9375	18 9
1.3	26	.9027	18 0 $\frac{3}{4}$	.938	18 9 $\frac{1}{4}$	.975	19 6
1.35	27	.9375	18 9	.975	19 6	1.0125	20 3
1.4	28	.972	19 5 $\frac{1}{4}$	1.01	20 2 $\frac{3}{4}$	1.05	21 0
1.45	29	1.00694	20 1 $\frac{3}{4}$	1.0472	20 11 $\frac{1}{4}$	1.0875	21 9
1.5	30	1.0416	20 10	1.083	21 8	1.125	22 6
1.55	31	1.07638	21 6 $\frac{1}{4}$	1.1194	22 4 $\frac{1}{2}$	1.1625	23 3
1.6	32	1.1	22 2 $\frac{3}{4}$	1.15	23 1 $\frac{1}{4}$	1.2	24 0
1.65	33	1.14583	22 11	1.1916	23 10	1.2375	24 9
1.7	34	1.1805	23 7 $\frac{1}{4}$	1.227	24 6 $\frac{1}{2}$	1.275	25 6
1.75	35	1.21527	24 3 $\frac{1}{2}$	1.2638	25 3 $\frac{1}{2}$	1.3125	26 3
1.8	36	1.25	25 0	1.3	26 0	1.35	27 0
1.85	37	1.28472	25 8 $\frac{1}{4}$	1.3361	26 8 $\frac{3}{4}$	1.3875	27 9
1.9	38	1.3194	26 4 $\frac{1}{2}$	1.372	27 5 $\frac{1}{4}$	1.425	28 6
1.95	39	1.35416	27 1	1.4683	28 2	1.4625	29 3
2.	40	1.38	27 9 $\frac{1}{4}$	1.4	28 10 $\frac{1}{2}$	1.5	30 0
2.05	41	1.42361	28 5 $\frac{1}{2}$	1.4805	29 7 $\frac{1}{4}$	1.5375	30 9
2.1	42	1.4583	29 2	1.516	30 4	1.575	31 6

TABLE VII.
CONTINUED.

Price per Barrel.		Gallons. 28		Gallons. 29		Gallons. 30	
£	s.	£	s. d.	£	s. d.	£	s. d.
0.05	1	0.038	0 9 $\frac{1}{4}$	0.04027	0 9 $\frac{1}{2}$	0.0416	0 10
.1	2	.07	1 6 $\frac{1}{2}$	.0805	1 7 $\frac{1}{4}$	.083	1 8
.15	3	.116	2 4	.12083	2 5	.125	2 6
.2	4	.15	3 1 $\frac{1}{4}$	.161	3 2 $\frac{3}{4}$	.16	3 4
.25	5	.194	3 10 $\frac{1}{2}$	.20138	4 0 $\frac{1}{4}$	.2083	4 2
.3	6	.23	4 8	.2416	4 10	.25	5 0
.35	7	.272	5 5 $\frac{1}{4}$	.28194	5 7 $\frac{1}{2}$	.2916	5 10
.4	8	.31	6 2 $\frac{3}{4}$	.32	6 5 $\frac{1}{4}$	.3	6 8
.45	9	.35	7 0	.3625	7 3	.375	7 6
.5	10	.38	7 9 $\frac{1}{4}$	.4027	8 0 $\frac{3}{4}$	.416	8 4
.55	11	.427	8 6 $\frac{1}{2}$	.44305	8 10 $\frac{1}{4}$	.4583	9 2
.6	12	.46	9 4	.483	9 8	.5	10 0
.65	13	.505	10 1 $\frac{1}{4}$	.52361	10 5 $\frac{3}{4}$	.5416	10 10
.7	14	.54	10 10 $\frac{1}{2}$	.5638	11 3 $\frac{1}{4}$	.583	11 8
.75	15	.583	11 8	.60416	12 1	.625	12 6
.8	16	.62	12 5 $\frac{1}{4}$	.64	12 10 $\frac{1}{2}$	.6	13 4
.85	17	.661	13 2 $\frac{3}{4}$	.68472	13 8 $\frac{1}{4}$	.7083	14 2
.9	18	.7	14 0	.725	14 6	.75	15 0
.95	19	.738	14 9 $\frac{1}{4}$	.76527	15 3 $\frac{3}{4}$	.7916	15 10
1.	20	.7	15 6 $\frac{1}{2}$	.805	16 1 $\frac{1}{4}$	.83	16 8
1.05	21	.816	16 4	.84583	16 11	.875	17 6
1.1	22	.85	17 1 $\frac{1}{4}$	.8861	17 8 $\frac{3}{4}$	.916	18 4
1.15	23	.894	17 10 $\frac{1}{2}$	.92638	18 6 $\frac{1}{4}$	.9583	19 2
1.2	24	.93	18 8	.96	19 4	1.0	20 0
1.25	25	.972	19 5 $\frac{1}{4}$	1.00694	20 1 $\frac{3}{4}$	1.0416	20 10
1.3	26	1.01	20 2 $\frac{3}{4}$	1.0472	20 11 $\frac{1}{4}$	1.083	21 8
1.35	27	1.05	21 0	1.0875	21 9	1.125	22 6
1.4	28	1.08	21 9 $\frac{1}{4}$	1.127	22 6 $\frac{3}{4}$	1.16	23 4
1.45	29	1.127	22 6 $\frac{3}{4}$	1.16805	23 4 $\frac{1}{4}$	1.2083	24 2
1.5	30	1.16	23 4	1.2083	24 2	1.25	25 0
1.55	31	1.205	24 1 $\frac{1}{4}$	1.24861	24 11 $\frac{3}{4}$	1.2916	25 10
1.6	32	1.24	24 10 $\frac{1}{2}$	1.28	25 9 $\frac{1}{4}$	1.3	26 8
1.65	33	1.283	25 8	1.32916	26 7	1.375	27 6
1.7	34	1.32	26 5 $\frac{1}{4}$	1.3694	27 4 $\frac{1}{2}$	1.416	28 4
1.75	35	1.361	27 2 $\frac{3}{4}$	1.40972	28 2 $\frac{1}{4}$	1.4583	29 2
1.8	36	1.4	28 0	1.45	29 0	1.5	30 0
1.85	37	1.438	28 9 $\frac{1}{4}$	1.49027	29 9 $\frac{1}{2}$	1.5416	30 10
1.9	38	1.47	29 6 $\frac{3}{4}$	1.5305	30 7 $\frac{1}{4}$	1.583	31 8
1.95	39	1.516	30 4	1.57083	31 5	1.625	32 6
2.	40	1.5	31 1 $\frac{1}{4}$	1.61	32 2 $\frac{3}{4}$	1.6	33 4
2.05	41	1.594	31 10 $\frac{1}{2}$	1.65138	33 0 $\frac{1}{4}$	1.7083	34 2
2.1	42	1.63	32 8	1.6916	33 10	1.75	35 0

TABLE VII.
CONTINUED.

Price per Barrel.		Gallons. 31		Gallons. 32		Gallons. 33	
£	s.	£	s. d.	£	s. d.	£	s. d.
0.05	1	0.04305	0 10 $\frac{1}{4}$	0.04	0 10 $\frac{1}{2}$	0.04583	0 11
.1	2	.0861	1 8 $\frac{3}{4}$	.08	1 9 $\frac{1}{4}$	.0916	1 10
.15	3	.12916	2 7	.13	2 8	.1375	2 9
.2	4	.172	3 5 $\frac{1}{4}$	.17	3 6 $\frac{1}{2}$	.183	3 8
.25	5	.21527	4 3 $\frac{3}{4}$	.2	4 5 $\frac{1}{4}$	.22916	4 7
.3	6	.2583	5 2	.26	5 4	.275	5 6
.35	7	.30138	6 0 $\frac{1}{4}$	.31	6 2 $\frac{3}{4}$	.32083	6 5
.4	8	.34	6 10 $\frac{1}{2}$	.35	7 1 $\frac{1}{4}$	.36	7 4
.45	9	.3875	7 9	.4	8 0	.4125	8 3
.5	10	.4305	8 7 $\frac{1}{4}$	.4	8 10 $\frac{1}{2}$	.4583	9 2
.55	11	.47361	9 5 $\frac{3}{4}$	.48	9 9 $\frac{1}{4}$	.50416	10 1
.6	12	.516	10 4	.53	10 8	.55	11 0
.65	13	.55972	11 2 $\frac{1}{4}$	.57	11 6 $\frac{1}{2}$	.59583	11 11
.7	14	.6027	12 0 $\frac{3}{4}$	.62	12 5 $\frac{1}{4}$	.6416	12 10
.75	15	.64583	12 11	.6	13 4	.6875	13 9
.8	16	.68	13 9 $\frac{1}{4}$	.71	14 2 $\frac{3}{4}$	.73	14 8
.85	17	.73194	14 7 $\frac{3}{4}$	.75	15 1 $\frac{1}{4}$	.77916	15 7
.9	18	.775	15 6	.8	16 0	.825	16 6
.95	19	.81805	16 4 $\frac{1}{4}$	.84	16 10 $\frac{1}{2}$	.87083	17 5
1.	20	.861	17 2 $\frac{3}{4}$	.8	17 9 $\frac{1}{4}$	.916	18 4
1.05	21	.90416	18 1	.93	18 8	.9625	19 3
1.1	22	.9472	18 11 $\frac{1}{4}$	.97	19 6 $\frac{3}{4}$	1.0083	20 2
1.15	23	.99027	19 9 $\frac{1}{2}$	1.02	20 5 $\frac{1}{4}$	1.05416	21 1
1.2	24	1.03	20 8	1.06	21 4	1.1	22 0
1.25	25	1.07638	21 6 $\frac{1}{4}$	1.1	22 2 $\frac{3}{4}$	1.14583	22 11
1.3	26	1.1194	22 4 $\frac{1}{2}$	1.15	23 1 $\frac{1}{4}$	1.1916	23 10
1.35	27	1.1625	23 3	1.2	24 0	1.2375	24 9
1.4	28	1.205	24 1 $\frac{1}{4}$	1.24	24 10 $\frac{1}{2}$	1.283	25 8
1.45	29	1.24861	24 11 $\frac{3}{4}$	1.28	25 9 $\frac{1}{4}$	1.32916	26 7
1.5	30	1.2916	25 10	1.3	26 8	1.375	27 6
1.55	31	1.33472	26 8 $\frac{1}{4}$	1.37	27 6 $\frac{3}{4}$	1.42083	28 5
1.6	32	1.37	27 6 $\frac{3}{4}$	1.42	28 5 $\frac{1}{4}$	1.46	29 4
1.65	33	1.42083	28 5	1.46	29 4	1.5125	30 3
1.7	34	1.4638	29 3 $\frac{1}{2}$	1.51	30 2 $\frac{3}{4}$	1.5583	31 2
1.75	35	1.50694	30 1 $\frac{3}{4}$	1.5	31 1 $\frac{1}{4}$	1.60416	32 1
1.8	36	1.55	31 0	1.6	32 0	1.65	33 0
1.85	37	1.59305	31 10 $\frac{1}{4}$	1.64	32 10 $\frac{1}{2}$	1.69583	33 11
1.9	38	1.6361	32 8 $\frac{3}{4}$	1.68	33 9 $\frac{1}{4}$	1.7416	34 10
1.95	39	1.67916	33 7	1.73	34 8	1.7875	35 9
2.	40	1.72	34 5 $\frac{1}{4}$	1.7	35 6 $\frac{3}{4}$	1.83	36 8
2.05	41	1.76527	35 3 $\frac{1}{2}$	1.82	36 5 $\frac{1}{4}$	1.87916	37 7
2.1	42	1.8083	36 2	1.86	37 4	1.925	38 6

TABLE VII.
C O N C L U D E D.

Price per Barrel.		Gallons. 34		Gallons. 35		Gallons. 36	
£	s.	£	s. d.	£	s. d.	£	s. d.
0.05	1	0.0472	0 11 $\frac{1}{4}$	0.04861	0 11 $\frac{3}{4}$	0.05	1 0
.1	2	.094	1 10 $\frac{1}{2}$	.0972	1 11 $\frac{1}{4}$	.1	2 0
.15	3	.1416	2 10	.14583	2 11	.15	3 0
.2	4	.18	3 9 $\frac{1}{4}$	.194	3 10 $\frac{1}{2}$	.2	4 0
.25	5	.2361	4 8 $\frac{3}{4}$	.24305	4 10 $\frac{1}{4}$	.25	5 0
.3	6	.283	5 8	.2916	5 10	.3	6 0
.35	7	.3305	6 7 $\frac{1}{4}$	.34027	6 9 $\frac{1}{2}$	.35	7 0
.4	8	.37	7 6 $\frac{3}{4}$	.38	7 9 $\frac{1}{4}$	.4	8 0
.45	9	.425	8 6	.4375	8 9	.45	9 0
.5	10	.472	9 5 $\frac{1}{4}$	.4861	9 8 $\frac{3}{4}$	.5	10 0
.55	11	.5194	10 4 $\frac{1}{2}$	.53472	10 8 $\frac{1}{4}$	.55	11 0
.6	12	.56	11 4	.583	11 8	.6	12 0
.65	13	.6138	12 3 $\frac{1}{2}$	.63194	12 7 $\frac{3}{4}$	.65	13 0
.7	14	.661	13 2 $\frac{3}{4}$	.6805	13 7 $\frac{1}{4}$	.7	14 0
.75	15	.7083	14 2	.72916	14 7	.75	15 0
.8	16	.75	15 1 $\frac{1}{4}$	.7	15 6 $\frac{3}{4}$	.8	16 0
.85	17	.8027	16 0 $\frac{3}{4}$	.82638	16 6 $\frac{1}{4}$	.85	17 0
.9	18	.85	17 0	.875	17 6	.9	18 0
.95	19	.8972	17 11 $\frac{1}{4}$	.92361	18 5 $\frac{3}{4}$	.95	19 0
1.	20	.94	18 10 $\frac{1}{2}$	.972	19 5 $\frac{1}{4}$	1.0	20 0
1.05	21	.9916	19 10	1.02083	20 5	1.05	21 0
1.1	22	1.038	20 9 $\frac{1}{4}$	1.0694	21 4 $\frac{1}{2}$	1.1	22 0
1.15	23	1.0861	21 8 $\frac{3}{4}$	1.11805	22 4 $\frac{1}{4}$	1.15	23 0
1.2	24	1.13	22 8	1.16	23 4	1.2	24 0
1.25	25	1.1805	23 7 $\frac{1}{4}$	1.21527	24 3 $\frac{3}{4}$	1.25	25 0
1.3	26	1.227	24 6 $\frac{3}{4}$	1.2638	25 3 $\frac{1}{2}$	1.3	26 0
1.35	27	1.275	25 6	1.3125	26 3	1.35	27 0
1.4	28	1.32	26 5 $\frac{1}{4}$	1.361	27 2 $\frac{3}{4}$	1.4	28 0
1.45	29	1.3694	27 4 $\frac{1}{2}$	1.40972	28 2 $\frac{1}{2}$	1.45	29 0
1.5	30	1.416	28 4	1.4583	29 2	1.5	30 0
1.55	31	1.4638	29 3 $\frac{1}{2}$	1.50694	30 1 $\frac{3}{4}$	1.55	31 0
1.6	32	1.51	30 2 $\frac{3}{4}$	1.5	31 1 $\frac{1}{4}$	1.6	32 0
1.65	33	1.5583	31 2	1.60416	32 1	1.65	33 0
1.7	34	1.605	32 1 $\frac{1}{4}$	1.6527	33 0 $\frac{3}{4}$	1.7	34 0
1.75	35	1.6527	33 0 $\frac{3}{4}$	1.70138	34 0 $\frac{1}{4}$	1.75	35 0
1.8	36	1.7	34 0	1.75	35 0	1.8	36 0
1.85	37	1.7472	34 11 $\frac{1}{4}$	1.79861	35 11 $\frac{3}{4}$	1.85	37 0
1.9	38	1.794	35 10 $\frac{1}{2}$	1.8472	36 11 $\frac{1}{4}$	1.9	38 0
1.95	39	1.8416	36 10	1.89583	37 11	1.95	39 0
2.	40	1.8	37 9 $\frac{1}{4}$	1.94	38 10 $\frac{1}{2}$	2.	40 0
2.05	41	1.9361	38 8 $\frac{3}{4}$	1.99305	39 10 $\frac{1}{4}$	2.05	41 0
2.1	42	1.983	39 8	2.0416	40 10	2.1	42 0

T A B L E VIII.

Shewing the Gain or Loss by drawing a longer or shorter Length than Three Barrels from One Quarter of Malt, at One Pound per Quarter.

Length, longer or shorter than Three Barrels, by				Gain or Loss, at £.1 per Quarter.	Length, longer or shorter than Three Barrels, by				Gain or Loss, at £.1 per Quarter.
Pints.	Gal.	Qts.	Pts.	£.	Pints.	Gal.	Qts.	Pts.	£.
1	0	0	1	0.00115 74	37	4	2	1	0.04282 65
2	0	1	0	0.00231 49	38	4	3	0	0.04398 40
3	0	1	1	0.00347 24	39	4	3	1	0.04514 15
4	0	2	0	0.00462 98	40	5	0	0	0.04629 8
5	0	2	1	0.00578 73	41	5	0	1	0.04745 64
6	0	3	0	0.00694 48	42	5	1	0	0.04861 39
7	0	3	1	0.00810 23	43	5	1	1	0.04977 14
8	1	0	0	0.00925 97	44	5	2	0	0.05092 8
9	1	0	1	0.01041 72	45	5	2	1	0.05208 63
10	1	1	0	0.01157 4	46	5	3	0	0.05324 38
11	1	1	1	0.01273 2	47	5	3	1	0.05440 13
12	1	2	0	0.01388 96	48	6	0	0	0.05555 87
13	1	2	1	0.01504 71	49	6	0	1	0.05671 62
14	1	3	0	0.01620 46	50	6	1	0	0.05787 3
15	1	3	1	0.01736 21	51	6	1	1	0.05903 12
16	2	0	0	0.01851 95	52	6	2	0	0.06018 86
17	2	0	1	0.01967 70	53	6	2	1	0.06134 61
18	2	1	0	0.02083 45	54	6	3	0	0.06250 36
19	2	1	1	0.02199 20	55	6	3	1	0.06366 1
20	2	2	0	0.02314 9	56	7	0	0	0.06481 85
21	2	2	1	0.02430 69	57	7	0	1	0.06597 60
22	2	3	0	0.02546 4	58	7	1	0	0.06713 35
23	2	3	1	0.02662 19	59	7	1	1	0.06829 10
24	3	0	0	0.02777 93	60	7	2	0	0.06944 8
25	3	0	1	0.02893 68	61	7	2	1	0.07060 59
26	3	1	0	0.03009 43	62	7	3	0	0.07176 34
27	3	1	1	0.03125 18	63	7	3	1	0.07292 9
28	3	2	0	0.03240 92	64	8	0	0	0.07407 83
29	3	2	1	0.03356 67	65	8	0	1	0.07523 58
30	3	3	0	0.03472 4	66	8	1	0	0.07639 3
31	3	3	1	0.03588 17	67	8	1	1	0.07755 08
32	4	0	0	0.03703 91	68	8	2	0	0.07870 82
33	4	0	1	0.03819 6	69	8	2	1	0.07986 57
34	4	1	0	0.03935 41	70	8	3	0	0.08102 3
35	4	1	1	0.04051 16	71	8	3	1	0.08218 07
36	4	2	0	0.04166 90	72	9	0	0	0.08333 81

TABLE VIII.
C O N C L U D E D.

Length, longer or shorter than Three Barrels, by				Gain or Loss, at £.1 per Quarter.	Length, longer or shorter than Three Barrels, by				Gain or Loss, at £.1 per Quarter.
Pints.	Gal.	Qts.	Pts.	£.	Pints.	Gal.	Qts.	Pts.	£.
73	9	0	1	0.08449 56	109	13	2	1	0.12616 47
74	9	1	0	0.08565 31	110	13	3	0	0.12732
75	9	1	1	0.08681 06	111	13	3	1	0.12847 96
76	9	2	0	0.08796 80	112	14	0	0	0.12963 71
77	9	2	1	0.08912 5	113	14	0	1	0.13079 46
78	9	3	0	0.09028 30	114	14	1	0	0.13195 21
79	9	3	1	0.09144 05	115	14	1	1	0.13310 95
80	10	0	0	0.09259 7	116	14	2	0	0.13426 70
81	10	0	1	0.09375 54	117	14	2	1	0.13542 45
82	10	1	0	0.09491 29	118	14	3	0	0.13658 20
83	10	1	1	0.09607 04	119	14	3	1	0.13773 94
84	10	2	0	0.09722 78	120	15	0	0	0.13889 6
85	10	2	1	0.09838 53	121	15	0	1	0.14005 4
86	10	3	0	0.09954 28	122	15	1	0	0.14121 19
87	10	3	1	0.10070 03	123	15	1	1	0.14236 93
88	11	0	0	0.10185 7	124	15	2	0	0.14352 68
89	11	0	1	0.10301 52	125	15	2	1	0.14468 43
90	11	1	0	0.10417 2	126	15	3	0	0.14584 18
91	11	1	1	0.10533 02	127	15	3	1	0.14699 92
92	11	2	0	0.10648 76	128	16	0	0	0.14815 67
93	11	2	1	0.10764 51	129	16	0	1	0.14931 42
94	11	3	0	0.10880 26	130	16	1	0	0.15047 1
95	11	3	1	0.10996 01	131	16	1	1	0.15162 91
96	12	0	0	0.11111 75	132	16	2	0	0.15278 6
97	12	0	1	0.11227 50	133	16	2	1	0.15394 41
98	12	1	0	0.11343 25	134	16	3	0	0.15510 16
99	12	1	1	0.11458 9	135	16	3	1	0.15625 90
100	12	2	0	0.11574	136	17	0	0	0.15741 65
101	12	2	1	0.11690 49	137	17	0	1	0.15857 40
102	12	3	0	0.11806 24	138	17	1	0	0.15973 15
103	12	3	1	0.11921 98	139	17	1	1	0.16088 89
104	13	0	0	0.12037 73	140	17	2	0	0.16204 6
105	13	0	1	0.12153 48	141	17	2	1	0.16320 39
106	13	1	0	0.12269 23	142	17	3	0	0.16436 14
107	13	1	1	0.12384 97	143	17	3	1	0.16551 8
108	13	2	0	0.12500 72	144	18	0	0	0.16667 63

TABLE IX.

Shewing, when the Specific Gravity of a Barrel of Wort, exceeds that of a Barrel of Water, by any given Number of Avoirdupoise Pounds, from One to Fifty, how much, the Specific Gravity of a Gallon of Wort, will exceed that of a Gallon of Water.

Specific Gravity of a Barrel of Wort above that of Water, in Avoirdupoise.	Specific Gravity of a Gallon of Wort above that of Water, in Avoirdupoise.			Specific Gravity of a Barrel of Wort above that of Water, in Avoirdupoise.	Specific Gravity of a Gallon of Wort above that of Water, in Avoirdupoise.		
	Lbs.	or	Lbs. oz. dms.		Lbs.	or	Lbs. oz. dms.
1	0.027	=	0 0 7	26	0.72	=	0 11 8½
2	0.05	=	0 0 14	27	0.75	=	0 12 0
3	0.083	=	0 1 5	28	0.7	=	0 12 7
4	0.1	=	0 1 12	29	0.805	=	0 12 14
5	0.138	=	0 2 3½	30	0.83	=	0 13 5¼
6	0.16	=	0 2 10½	31	0.861	=	0 13 12¼
7	0.194	=	0 3 2	32	0.8	=	0 14 3¼
8	0.2	=	0 3 9	33	0.916	=	0 14 10½
9	0.25	=	0 4 0	34	0.94	=	0 15 1¾
10	0.27	=	0 4 7	35	0.972	=	0 15 8¾
11	0.305	=	0 4 14	36	1.000	=	1 0 0
12	0.3	=	0 5 5	37	1.027	=	1 0 7
13	0.361	=	0 5 12½	38	1.05	=	1 0 14
14	0.38	=	0 6 4	39	1.083	=	1 1 5
15	0.416	=	0 6 10½	40	1.1	=	1 1 12
16	0.4	=	0 7 2	41	1.138	=	1 2 3½
17	0.472	=	0 7 8½	42	1.16	=	1 2 10½
18	0.5	=	0 8 0	43	1.194	=	1 3 2
19	0.527	=	0 8 7	44	1.2	=	1 3 9
20	0.5	=	0 8 14	45	1.25	=	1 4 0
21	0.583	=	0 9 5	46	1.27	=	1 4 7
22	0.61	=	0 9 12	47	1.305	=	1 4 14
23	0.638	=	0 10 3½	48	1.3	=	1 5 5
24	0.6	=	0 10 10½	49	1.361	=	1 5 12½
25	0.694	=	0 11 1½	50	1.38	=	1 6 4

TABLE X.

Shewing, when the Specific Gravity of a Gallon of Wort, exceeds that of a Gallon of Water, by any given Number of Avoirdupoise Drams, or Ounces, from One Dram, to One Pound, how much the Specific Gravity of a Barrel of the same Wort will exceed that of a Barrel of Water.

Excess of Specific Gravity per Gallon in	Comparative Excess of Specific Gravity per Barrel, in			Excess of Specific Gravity per Gallon in	Comparative Excess of Specific Gravity per Barrel, in		
	Drams.	Lbs.	oz.	Ounces.	Lbs.	oz.	drams.
1	0	2	4	1	2	4	0
2	0	4	8	2	4	8	0
3	0	6	12	3	6	12	0
4	0	9	0	4	9	0	0
5	0	11	4	5	11	4	0
6	0	13	8	6	13	8	0
7	0	15	12	7	15	12	0
8	1	2	0	8	18	0	0
9	1	4	4	9	20	4	0
10	1	6	8	10	22	8	0
11	1	8	12	11	24	12	0
12	1	11	0	12	27	0	0
13	1	13	4	13	29	4	0
14	1	15	8	14	31	8	0
oz. 15	2	1	12	lb. 15	33	12	0
1 or 16	2	4	0	1 or 16	36	0	0

T A B L E XI.

Containing the Area of Circles in Wine Gallons of 231 Cube Inches each, at One Inch in Depth, and at any given Diameter, from One to Twelve Inches, increasing by Quarters of an Inch, particularly useful for finding the Quantity of Water that can be raised by any Pump, from One to Twelve Inches in Diameter, in any given Number of Strokes, and in any given Time.

e : g : an Hour.

N. B. The weight of a Wine Gallon of Water is Lbs. 18.3550347214 Avoird.

Diam ^r .	Area or Content.	Diam ^r .	Area or Content.	Diam ^r .	Area or Content.
Inches.	Wine Gallons.	Inches.	Wine Gallons.	Inches.	Wine Gallons.
1.	.00339 999	5.	.08499 98	9.	.27539 936
.25	.00531 249	.25	.09371 23	.25	.29091 182
.5	.00764 998	.5	.10284 976	.5	.30684 928
.75	.01041 247	.75	.11241 224	.75	.32321 174
2.	.01359 997	6.	.12239 971	10.	.33999 92
.25	.01721 246	.25	.13281 219	.25	.35721 17
.5	.02124 995	.5	.14364 966	.5	.37484 91
.75	.02571 244	.75	.15491 214	.75	.39291 16
3.	.03059 993	7.	.16659 961	11.	.41139 90
.25	.03591 241	.25	.17871 208	.25	.43031 149
.5	.04164 990	.5	.19124 955	.5	.44964 89
.75	.04781 239	.75	.20421 202	.75	.46941 14
4.	.05439 987	8.	.21759 949	12.	.48959 885
.25	.06141 236	.25	.23141 1959	.25	.51021 131
.5	.06884 98	.5	.24564 942	.5	.53124 87
.75	.07671 232	.75	.26031 189	.75	.55271 12

RULE. Multiply the Number of Strokes per Minute, the Minutes in an Hour, and the Length of the Stroke in Inches, into each other: their Product being multiplied into the Tabular Number, against the given Diameter of the Pump, will give the Number of Wine Gallons required.

T A B L E XII.

Of the Area of Circles, in Beer Gallons, of 282 Cube Inches each, at One Inch in Depth, and at any given Diameter, from One to Twelve Inches, increasing by Quarters of an Inch, particularly useful for finding the Quantity of Water that can be raised by any Pump, from One to Twelve Inches in Diameter, in any given Number of Strokes, and in any given Time.

e: g: an Hour.

N. B. The Weight of a Beer Gallon of Water is Lb. 10.1996527 Avoird.

Diam ^r .	Area or Content.	Diam ^r .	Area or Content.	Diam ^r .	Area or Content.
Inches.	In Beer Gallons.	Inches.	In Beer Gallons.	Inches.	In Beer Gallons.
1.	.00278 51.	5.	.06962	9.	.22559 3
.25	.00435 1	.25	.07676	.25	.23830
.5	.00626 6	.5	.08425	.5	.25135
.75	.00852 9	.75	.09208	.75	.26475
2.	.01114 0	6.	.10026	10.	.27851
.25	.01409 9	.25	.10879	.25	.29261
.5	.01740 7	.5	.11767	.5	.30706
.75	.02106 2	.75	.12689 6	.75	.32185
3.	.02506 6	7.	.13647	11.	.33699 7
.25	.02941 7	.25	.14639	.25	.35249
.5	.03411 7	.5	.15666	.5	.36833
.75	.03916	.75	.16728	.75	.38452
4.	.04456	8.	.17824	12.	.40105
.25	.05030	.25	.18956	.25	.41794
.5	.05639	.5	.20122	.5	.43517 18
.75	.06283	.75	.21323	.75	.45275 27

RULE. Multiply the Number of Strokes per Minute, the Minutes in an Hour, and the Length of the Stroke in Inches, into each other: their Product being multiplied into the Tabular Number, against the given Diameter of the Pump, will give the Number of Beer Gallons required.

T A B L E XIII.

Of the Area of Circles in Beer Barrels, of 10152 Cube Inches each, at One Inch in depth, and at any given Diameter, from One to Twelve Inches, increafing by Quarters of an Inch; particularly useful for finding the Quantity of Water that can be raifed by any Pump, from One to Twelve Inches Diameter, in any given Number of Strokes, and in any given Time. Suppofe an Hour.

Diam ^r .	Area or Content.	Diam ^r .	Area or Content.	Diam ^r .	Area or Content.
Inches.	Beer Barrels.	Inches.	Beer Barrels.	Inches.	Beer Barrels.
1.	.00007 736	5.	.00193 41	9.	.00626 65
.25	.00012 088	.25	.00213 23	.25	.00661 95
.5	.00017 407	.5	.00234 02	.5	.00698 21
.75	.00023 603	.75	.00255 78	.75	.00735 44
2.	.00030 945	6.	.00278 51	10.	.00773 64
.25	.00039 169	.25	.00302 20	.25	.00812 80
.5	.00048 352	.5	.00326 86	.5	.00852 93
.75	.00058 506	.75	.00352 49	.75	.00894 03
3.	.00069 628	7.	.00379 08	11.	.00936 10
.25	.00081 716	.25	.00406 64	.25	.00979 13
.5	.00094 771	.5	.00435 17	.5	.01023 1
.75	.00108 80	.75	.00464 67	.75	.01068 1
4.	.00123 78	8.	.00495 13	12.	.01114 0
.25	.00139 74	.25	.00526 56	.25	.01160 94
.5	.00156 66	.5	.00558 95	.5	.01208 81
.75	.00174 56	.75	.00592 32	.75	.01257 66

RULE. Multiply the Number of Strokes per Minute, the Minutes in an Hour, and the Length of the Stroke in Inches, into each other: their Product being multiplied by the Tabular Number, againft the given Diameter of the Pump, will give the Number of Barrels required.

T A B L E X I V .

Of the Diameters of Circular Holes, in Inches, through which (it is supposed) One Beer Barrel of Water will run in One Minute, at different Depths, of from 1 to 100 Feet, from the Top of Reservoir.

Depth from Top of Refer. in	Diameter of Circular Hole to expend One Barrel per Min. in	Depth from Top of Refer. in	Diameter of Circular Hole to expend One Barrel per Min. in	Depth from Top of Refer. in	Diameter of Circular Hole to expend One Barrel per Min. in
Feet.	Inches.	Feet.	Inches.	Feet.	Inches.
1	1.8021	20	.8521	39	.72078
2	1.5153	21	.84193	40	.71658
3	1.3693	22	.83205	41	.71217
4	1.2743	23	.82291	42	.70789
5	1.2051	24	.81419	43	.70375
6	1.1501	25	.8059	44	.69971
7	1.1079	26	.79806	45	.69659
8	1.0717	27	.79057	46	.69198
9	1.0406	28	.78341	47	.68826
10	1.0134	29	.77654	48	.68465
11	.98955	30	.7700	49	.68113
12	.96824	31	.76373	50	.67717
13	.94906	32	.75769	60	.64751
14	.93164	33	.75189	70	.62302
15	.9157	34	.7463	80	.60267
16	.90116	35	.74091	90	.5851
17	.8875	36	.73706	100	.56988
18	.87491	37	.73069		
19	.86315	38	.72583		

T A B L E XV.

Of the supposed Expenditure of Water per Minute, in Wine Gallons of 231 Cube Inches each, through a Pipe of One Inch Diameter, at different Depths from the Top of the Reservoir.

Depth in Feet.	Expenditure of Water in Wine Gallons.	Depth in Feet.	Expenditure of Water in Wine Gallons.	Depth in Feet.	Expenditure of Water in Wine Gallons.
1	13.955	20	62.410	39	87.151
2	19.736	21	63.951	40	88.262
3	24.171	22	65.457	41	89.357
4	27.909	23	66.927	42	90.441
5	31.205	24	68.367	43	91.511
6	34.262	25	69.777	44	92.569
7	36.922	26	71.158	45	93.615
8	39.471	27	72.514	46	94.650
9	41.865	28	73.845	47	95.674
10	44.130	29	75.152	48	96.686
11	46.284	30	76.437	49	97.688
12	48.343	31	77.701	50	98.679
13	50.317	32	78.944	60	108.098
14	52.217	33	80.167	70	116.759
15	54.048	34	81.373	80	124.820
16	55.821	35	82.561	90	132.389
17	57.539	36	83.424	100	139.552
18	59.207	37	84.887		
19	60.830	38	86.026		

T A B L E XVI.

Of the supposed Expence of Water per Minute, in Beer Gallons of 282 Cube Inches each, through a Pipe of One Inch Diameter, at different Depths from the Top of the Reservoir.

Depth in Feet.	Expence of Water in Beer Gallons.	Depth in Feet.	Expence of Water in Beer Gallons.	Depth in Feet.	Expence of Water in Beer Gallons.
1	11.085	20	49.574	39	69.226
2	15.677	21	50.798	40	70.109
3	19.2	22	51.994	41	70.979
4	22.169	23	53.162	42	71.84
5	24.787	24	54.306	43	72.690
6	27.215	25	55.426	44	73.53
7	29.328	26	56.523	45	74.361
8	31.353	27	57.600	46	75.183
9	33.255	28	58.657	47	75.996
10	35.054	29	59.695	48	76.8
11	36.765	30	60.716	49	77.596
12	38.400	31	61.72	50	78.383
13	39.968	32	62.707	60	85.865
14	41.477	33	63.679	70	92.745
15	42.932	34	64.637	80	99.148
16	44.340	35	65.580	90	105.16
17	45.705	36	66.266	100	110.85
18	47.03	37	67.428		
19	48.319	38	68.333		

T A B L E XVII.

Shewing the Length a Pipe or Cylinder must be, to contain a Beer Barrel, of 10152 Cube Inches, the Diameters being from One, to Twelve, Inches, increasing One Quarter of an Inch each Time. The Squares of the Diameters are also shewn.

Diam ^r . Inches.	Square of Diam. Inches.	Length Inches.	Diam ^r . Inches.	Square of Diam. Inches.	Length Inches.
1.	1.0000	12925.920	6.75	45.5625	283.690
1.25	1.5625	8272.59	7.	49.	263.79
1.5	2.25	5744.855	7.25	52.5625	245.915
1.75	3.0625	4220.71	7.5	56.25	229.79
2.	4.	3231.48	7.75	60.0625	215.208
2.25	5.0625	2553.328	8.	64.	201.967
2.5	6.25	2068.148	8.25	68.0625	189.91
2.75	7.5625	1709.21	8.5	72.25	178.90
3.	9.	1436.21	8.75	76.5625	168.828
3.25	10.5625	1223.75	9.	81.	159.579
3.5	12.25	1055.178	9.25	85.5625	151.07
3.75	14.0625	919.177	9.5	90.25	143.32
4.	16.	807.87	9.75	95.0625	135.97
4.25	18.0625	715.638	10.	100.	129.259
4.5	20.25	638.317	10.25	105.0625	123.03
4.75	22.5625	572.89	10.5	110.25	117.24
5.	25.	517.03	10.75	115.5625	111.85
5.25	27.5625	468.96	11.	121.	106.826
5.5	30.25	427.3	11.25	126.5625	102.13
5.75	33.0625	390.954	11.5	132.25	97.738
6.	36.	359.053	11.75	138.0625	93.623
6.25	39.0625	330.9	12.	144.0000	89.763
6.5	42.25	305.939			

T A B L E XVIII.

By which the Quantity of Water in Cube Feet, Beer Barrels, Beer Gallons, and Wine Gallons, and the Weight, in Avoirdupoise Pounds,

the $\left\{ \begin{array}{l} \text{Cube Foot,} \\ \text{Beer Barrel,} \\ \text{Gall. of Beer,} \\ \text{WineGallon,} \end{array} \right\}$ containing Lbs. $\left\{ \begin{array}{l} 62,5 \\ 367,1875 \\ 10,19965 \\ 8,35503 \end{array} \right\}$ may be found, in a

Cylindrical Pipe of any given Diameter of Bore, and Perpendicular Height; and consequently, the Power may be known, that will be sufficient to raise the Water, to the Top of the Pipe, in any Pump, or other Hydraulic Machine.

Diameter of the Cylindric Bore, One Inch.

Feet high.	Quantity of Water in				Weight of Water in Avoirdupoise Lbs.
	Cube Feet, containing Cube In. 1728.	Beer Barrels, containing Cu. In. 10152.	Beer Gallons, containing Cube In. 282.	Wine Gallons, containing Cube In. 231.	
1	.00545 4154	.00092 836	.03342 12	.04079 9904	0.34088 461
2	.01090 8308	.00185 673	.06684 24	.08159 9809	0.68176 923
3	.01636 2462	.00278 510	.10026 36	.12239 9713	1.02265 385
4	.02181 6616	.00371 346	.13368 48	.16319 9618	1.36353 847
5	.02727 0770	.00464 183	.16710 60	.20399 9523	1.70442 309
6	.03272 4924	.00557 020	.20052 72	.24479 9427	2.04530 771
7	.03817 9078	.00649 856	.23394 84	.28559 9332	2.38619 233
8	.04363 3232	.00742 693	.26736 96	.32639 9236	2.72707 695
9	.04908 7386	.00835 530	.30079 08	.36719 9141	3.06796 157

N. B. For Tens of Feet, remove the Decimal Points one place forwards, for Hundreds, two places, &c. Then multiply the Sums by the Square of the Diameter of the given Bore, and the Product will be the Answer.

T A B L E XIX.

Of the Diameter of a Cylinder in Feet, that will contain any Number of Beer Barrels, from One to an Hundred, at One Foot in Depth, increafing a Barrel each Time, from One, to Two Hundred Barrels, increafing Five Barrels each Time, and from Two Hundred to a Thousand, increafing One Hundred Barrels each Time; alfo the Number of Cube Feet contained in each Barrel.

Barrels.	Diameter Feet.	Contents Cube Feet.	Barrels.	Diameter Feet.	Contents Cube Feet.
1	2.735	5.875	33	15.711	193.875
2	3.868	11.75	34	15.948	199.75
3	4.731	17.625	35	16.18	205.625
4	5.47	23.5	36	16.41	211.5
5	6.115	29.375	37	16.636	217.375
6	6.699	35.25	38	16.86	223.25
7	7.236	41.125	39	17.08	229.125
8	7.735	47.	40	17.298	235.
9	8.205	52.875	41	17.512	240.875
10	8.649	58.75	42	17.725	246.75
11	9.071	64.625	43	17.934	252.625
12	9.474	70.5	44	18.059	258.5
13	9.861	76.375	45	18.347	264.375
14	10.233	82.25	46	18.55	270.25
15	10.592	88.125	47	18.75	276.125
16	10.939	94.	48	18.949	282.
17	11.277	99.875	49	19.145	287.875
18	11.604	105.75	50	19.339	293.75
19	11.922	111.625	51	19.532	299.625
20	12.231	117.5	52	19.722	305.5
21	12.553	123.375	53	19.911	311.375
22	12.828	129.25	54	20.098	317.25
23	13.116	135.125	55	20.283	323.125
24	13.399	141.	56	20.467	329.
25	13.675	146.875	57	20.648	334.875
26	13.946	152.75	58	20.829	340.75
27	14.211	158.625	59	21.008	346.625
28	14.472	164.5	60	21.185	352.5
29	14.728	170.375	61	21.361	358.375
30	14.98	176.25	62	21.535	364.25
31	15.228	182.125	63	21.708	370.125
32	15.471	188.	64	21.88	376.

TABLE XIX.
CONCLUDED.

Barrels.	Diameter Feet.	Contents Cube Feet.	Barrels	Diameter Feet.	Contents Cube Feet.
65	22.05	381.875	97	26.936	569.875
66	22.219	387.75	98	27.075	575.75
67	22.387	393.625	99	27.213	581.625
68	22.553	399.5	100	27.35	587.5
69	22.717	405.375	105	28.025	616.875
70	22.882	411.25	110	28.685	646.25
71	23.045	417.125	115	29.329	675.625
72	23.207	423.	120	29.96	705.
73	23.367	428.875	125	30.578	734.375
74	23.527	434.75	130	31.183	763.75
75	23.686	440.625	135	31.778	793.125
76	23.843	446.5	140	32.361	822.5
77	23.989	452.375	145	32.934	851.875
78	24.155	458.25	150	33.497	881.25
79	24.309	464.125	155	34.05	910.625
80	24.462	470.	160	34.595	940.
81	24.66	475.875	165	35.132	969.375
82	24.766	481.75	170	35.66	998.75
83	24.917	487.625	175	36.18	1028.125
84	25.066	493.5	180	36.694	1057.5
85	25.215	499.375	185	37.2	1086.875
86	25.363	505.25	190	37.7	111.625
87	25.51	511.125	195	38.192	1145.625
88	25.656	517.	200	38.679	1175.
89	25.802	522.875	300	47.371	1762.5
90	25.946	528.75	400	54.7	2350.
91	26.09	534.625	500	61.156	2937.5
92	26.233	540.5	600	66.994	3525.
93	26.375	546.375	700	72.361	4112.5
94	26.517	552.25	800	77.358	4700.
95	26.657	558.125	900	82.05	5287.5
96	26.797	564.000	1000	86.488	5875.

T A B L E XX.

Of the Square Root of the Area, and of the Diameter in Inches, of Circles,
whose Areas are given, in Beer Gallons and Cube Inches.

Area in		Square Root of Area in Inches.	Diameter in Inches.	Area in		Square Root of Area in Inches.	Diameter in Inches.
Beer Gall.	Cube Inches.			Beer Gall.	Cube Inches.		
1	282	16.79285	18.949	19	5358	73.19836	82.595
2	564	23.74868	26.797	20	5640	75.09993	84.741
3	846	29.08607	32.820	21	5922	76.95453	86.834
4	1128	33.58570	37.897	22	6204	78.76547	88.877
5	1410	37.54996	42.371	23	6486	80.53570	90.875
6	1692	41.13392	46.414	24	6768	82.26785	92.829
7	1974	44.42972	50.133	25	7050	83.96427	94.743
8	2256	47.49736	53.591	26	7332	85.62709	96.620
9	2538	50.37856	56.846	27	7614	87.25823	98.460
10	2820	53.10366	59.921	28	7896	88.85943	100.267
11	3102	55.69560	62.845	29	8178	90.43229	102.042
12	3384	58.17216	65.640	30	8460	91.97825	103.786
13	3666	60.54750	68.320	31	8742	93.49866	105.502
14	3948	62.83311	70.899	32	9024	94.99473	107.190
15	4230	65.03845	73.388	33	9306	96.46761	108.852
16	4512	67.17142	75.794	34	9588	97.91833	110.489
17	4794	69.23871	78.127	35	9870	99.34787	112.102
18	5076	71.24605	80.392	36	10152	100.75713	113.692

T A B L E XXI.
TO COMPARE ALE MEASURES.

Barrels.	Gallons.	Gallons.	Barrels.
1	34.	1	. 02941 17647 05882 35
2	68.	2	. 05882 35294 11764 7
3	102.	3	. 08823 52941 17647 05
4	136.	4	. 11764 70588 23529 40
5	170.	5	. 14705 88235 29411 75
6	204.	6	. 17647 05882 35294 10
7	238.	7	. 20588 23529 41176 45
8	272.	8	. 23529 41176 47058 80
9	306.	9	. 26470 58823 52941 15

T A B L E XXI.
TO COMPARE ALE MEASURES.

Barrels.	Quarts.	Quarts.	Barrels.
1	136.	1	. 00735 29411 764 &c
2	272.	2	. 01470 58823 528
3	408.	3	. 02205 88235 292
4	544.	4	. 02941 17647 056
5	680.	5	. 03676 47058 820
6	816.	6	. 04411 76470 584
7	952.	7	. 05147 05882 348
8	1088.	8	. 05882 35294 112
9	1224.	9	. 06617 64705 876

T A B L E X X I .
TO COMPARE ALE MEASURES.

Barrels.	Pints.	Pints.	Barrels.
1	272.	1	. 00367 64705 882 &c.
2	544.	2	. 00735 29411 764
3	816.	3	. 01102 94117 647
4	1088.	4	. 01470 58823 529
5	1360.	5	. 01838 23529 411
6	1632.	6	. 02205 88235 294
7	1904.	7	. 02573 52941 176
8	2176.	8	. 02941 17647 058
9	2448.	9	. 03308 82352 941

T A B L E X X I .
TO COMPARE ALE MEASURES.

Gallons.	Quarts.	Quarts.	Gallons.
1	4.	1	.25
2	8.	2	.5
3	12.	3	.75
4	16.	4	1.
5	20.	5	1.25
6	24.	6	1.5
7	28.	7	1.75
8	32.	8	2.
9	36.	9	2.25

T A B L E XXI.
TO COMPARE ALE MEASURES.

Gallons.	Pints.	Pints.	Gallons.
1	8.	1	.125
2	16.	2	.25
3	24.	3	.375
4	32.	4	.5
5	40.	5	.625
6	48.	6	.75
7	56.	7	.875
8	64.	8	1.
9	72.	9	1.125

T A B L E XXI.
TO COMPARE ALE MEASURES.

Quarts.	Pints.	Pints.	Quarts.
1	2.	1	.5
2	4.	2	1.
3	6.	3	1.5
4	8.	4	2.
5	10.	5	2.5
6	12.	6	3.
7	14.	7	3.5
8	16.	8	4.
9	18.	9	4.5

T A B L E XXII.
TO COMPARE BEER MEASURE.

Barrels.	Gallons.	Gallons.	Barrels.
1	36.	1	.027
2	72.	2	.05
3	108.	3	.083
4	144.	4	.1
5	180.	5	.138
6	216.	6	.16
7	252.	7	.194
8	288.	8	.2
9	324.	9	.25

T A B L E XXII.
TO COMPARE BEER MEASURE.

Barrels.	Quarts.	Quarts.	Barrels.
1	144.	1	.00694
2	288.	2	.0138
3	432.	3	.02083
4	576.	4	.027
5	720.	5	.03472
6	864.	6	.0416
7	1008.	7	.04861
8	1152.	8	.05
9	1296.	9	.0625

T A B L E XXII.
TO COMPARE BEER MEASURE.

Barrels.	Pints.	Pints.	Barrels.
1	288.	1	.00347 2
2	576.	2	.00694
3	864.	3	.01041 6
4	1152.	4	.0138
5	1440.	5	.01736 1
6	1728.	6	.02083
7	2016.	7	.02430 5
8	2304.	8	.027
9	2592.	9	.03125

T A B L E XXII.
TO COMPARE BEER MEASURE.

Gallons.	Quarts.	Quarts.	Gallons.
1	4.	1	.25
2	8.	2	.5
3	12.	3	.75
4	16.	4	1.
5	20.	5	1.25
6	24.	6	1.5
7	28.	7	1.75
8	32.	8	2.
9	36.	9	2.25

T A B L E XXII.
TO COMPARE BEER MEASURE.

Gallons.	Pints.	Pints.	Gallons.
1	8.	1	.125
2	16.	2	.25
3	24.	3	.375
4	32.	4	.5
5	40.	5	.625
6	48.	6	.75
7	56.	7	.875
8	64.	8	1.
9	72.	9	1.125

T A B L E XXII.
TO COMPARE BEER MEASURE.

Quarts.	Pints.	Pints.	Quarts.
1	2.	1	.5
2	4.	2	1.
3	6.	3	1.5
4	8.	4	2.
5	10.	5	2.5
6	12.	6	3.
7	14.	7	3.5
8	16.	8	4.
9	18.	9	4.5

TABLE I
THE CHINESE CURRENCY

Unit	Value	Symbol
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

TABLE II
THE CHINESE CURRENCY

Unit	Value	Symbol
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

S P I R I T,

OR

B R A N D Y

M E A S U R E.

Cc

THE
UNITED STATES
OF AMERICA
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WATER RESOURCES
DIVISION
OFFICE OF THE CHIEF
HYDROLOGIST
WASHINGTON, D. C.

T A B L E XXIII.

TO COMPARE SPIRIT OR BRANDY MEASURES.

Gallons.	Quarts.	Quarts.	Gallons.
1	4.	1	.25
2	8.	2	.5
3	12.	3	.75
4	16.	4	1.
5	20.	5	1.25
6	24.	6	1.5
7	28.	7	1.75
8	32.	8	2.
9	36.	9	2.25

T A B L E XXIII.

TO COMPARE SPIRIT OR BRANDY MEASURES.

Gallons.	Pints.	Pints.	Gallons.
1	8.	1	.125
2	16.	2	.25
3	24.	3	.375
4	32.	4	.5
5	40.	5	.625
6	48.	6	.75
7	56.	7	.875
8	64.	8	1.
9	72.	9	1.125

T A B L E XXIII.
TO COMPARE SPIRIT OR BRANDY MEASURES.

Gallons.	Quarterns.	Qtrns.	Gallons.
1	32.	1	.03125
2	64.	2	.0625
3	96.	3	.09375
4	128.	4	.125
5	160.	5	.15625
6	192.	6	.1875
7	224.	7	.21875
8	256.	8	.25
9	288.	9	.28125

T A B L E XXIII.
TO COMPARE SPIRIT OR BRANDY MEASURES.

Quarts.	Pints.	Pints.	Quarts.
1	2.	1	.5
2	4.	2	1.
3	6.	3	1.5
4	8.	4	2.
5	10.	5	2.5
6	12.	6	3.
7	14.	7	3.5
8	16.	8	4.
9	18.	9	4.5

T A B L E XXIII.
TO COMPARE SPIRIT OR BRANDY MEASURES.

Quarts.	Quarterns.	Qrtrns.	Quarts.
1	8.	1	.125
2	16.	2	.25
3	24.	3	.375
4	32.	4	.5
5	40.	5	.625
6	48.	6	.75
7	56.	7	.875
8	64.	8	1.
9	72.	9	1.125

T A B L E XXIII.
TO COMPARE SPIRIT OR BRANDY MEASURES.

Pints.	Quarterns.	Qrtrns.	Pints.
1	4.	1	.25
2	8.	2	.5
3	12.	3	.75
4	16.	4	1.
5	20.	5	1.25
6	24.	6	1.5
7	28.	7	1.75
8	32.	8	2.
9	36.	9	2.25

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tuns.	Butts or Pipes.	Butts or Pipes.	Tuns.
1	2.	1	.5
2	4.	2	1.
3	6.	3	1.5
4	8.	4	2.
5	10.	5	2.5
6	12.	6	3.
7	14.	7	3.5
8	16.	8	4.
9	18.	9	4.5

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tuns.	Puncheons.	Punch ^s .	Tuns.
1	3.	1	.3
2	6.	2	.6
3	9.	3	1.
4	12.	4	1.3
5	15.	5	1.6
6	18.	6	2.
7	21.	7	2.3
8	24.	8	2.6
9	27.	9	3.

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tuns.	Hogheads.	Hhds.	Tuns.
1	4.	1	.25
2	8.	2	.5
3	12.	3	.75
4	16.	4	1.
5	20.	5	1.25
6	24.	6	1.5
7	28.	7	1.75
8	32.	8	2.
9	36.	9	2.25

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tuns.	Tierces.	Tierces.	Tuns.
1	6.	1	.16
2	12.	2	.3
3	18.	3	.5
4	24.	4	.6
5	30.	5	.83
6	36.	6	1.
7	42.	7	1.16
8	48.	8	.13
9	54.	9	.15

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tuns.	Half Hogheads.	Half Hhds.	Tuns.
1	8.	1	.125
2	16.	2	.25
3	24.	3	.375
4	32.	4	.5
5	40.	5	.625
6	48.	6	.75
7	56.	7	.875
8	64.	8	1.
9	72.	9	1.125

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tuns.	Rundlets.	Rdlts.	Tuns.
1	14.	1	.07142 85
2	28.	2	.14285 7
3	42.	3	.21428 57
4	56.	4	.28571 4
5	70.	5	.35714 28
6	84.	6	.42857 1
7	98.	7	.5
8	112.	8	.57142 8
9	126.	9	.64285 71

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tuns.	Ankers.	Ankers.	Tuns.
1	25.2	1	.03968 25
2	50.4	2	.07936 5
3	75.6	3	.11904 76
4	100.8	4	.15873 0
5	126.	5	.19841 26
6	151.2	6	.23809 5
7	176.4	7	.27
8	201.6	8	.31746 0
9	226.8	9	.35714 28

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tuns.	Gallons.	Gallons.	Tuns.
1	252.	1	.00396 825
2	504.	2	.00793 65
3	756.	3	.01190 476
4	1008.	4	.01587 3
5	1260.	5	.01984 126
6	1512.	6	.02380 95
7	1764.	7	.027
8	2016.	8	.03174 6
9	2268.	9	.03571 428

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tuns.	Quarts.	Quarts.	Tuns.
1	1008.	1	.00099 20634
2	2016.	2	.00198 4126
3	3024.	3	.00297 61904
4	4032.	4	.00396 825
5	5040.	5	.00496 03174
6	6048.	6	.00595 2380
7	7056.	7	.00694
8	8064.	8	.00793 65
9	9072.	9	.00892 85714

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tuns.	Pints.	Pints.	Tuns.
1	2016.	1	.00049 60317 4
2	4032.	2	.00099 20634
3	6048.	3	.00148 80952 3
4	8064.	4	.00198 4126
5	10080.	5	.00248 01587 3
6	12096.	6	.00297 61904
7	14112.	7	.00347 2
8	16128.	8	.00396 825
9	18144.	9	.00446 42857 i

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Butts or Pipes.	Puncheons.	Punch ^s .	Butts or Pipes.
1	1.5	1	.6
2	3.	2	1.3
3	4.5	3	2.
4	6.	4	2.6
5	7.5	5	3.
6	9.	6	4.
7	10.5	7	4.6
8	12.	8	5.3
9	13.5	9	6.

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Butts or Pipes.	Hogheads.	Hhds.	Butts or Pipes.
1	2.	1	.5
2	4.	2	1.
3	6.	3	1.5
4	8.	4	2.
5	10.	5	2.5
6	12.	6	3.
7	14.	7	3.5
8	16.	8	4.
9	18.	9	4.5

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Butts or Pipes.	Tierces.	Tierces.	Butts or Pipes.
1	3.	1	.3
2	6.	2	.6
3	9.	3	1.
4	12.	4	1.3
5	15.	5	1.6
6	18.	6	2.
7	21.	7	2.3
8	24.	8	2.6
9	27.	9	3.

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Butts or Pipes.	Half Hogheads.	Half Hhds.	Butts or Pipes.
1	4.	1	.25
2	8.	2	.5
3	12.	3	.75
4	16.	4	1.
5	20.	5	1.25
6	24.	6	1.5
7	28.	7	1.75
8	32.	8	2.
9	36.	9	2.25

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Butts or Pipes.	Runletts.	Runletts	Butts or Pipes.
1	7.	1	.i4285 7̇
2	14.	2	.28571 4̇
3	21.	3	.42857 1̇
4	28.	4	.57142 8̇
5	35.	5	.71428 5̇
6	42.	6	.85714 2̇
7	49.	7	1.
8	56.	8	1.i4285 7̇
9	63.	9	1.28571 4̇

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Butts or Pipes.	Ankers.	Ankers.	Butts or Pipes.
1	12.6	1	.07936 5̇
2	25.2	2	.15873 0̇
3	37.8	3	.23809 5̇
4	50.4	4	.31746 0̇
5	63.	5	.39682 5̇
6	75.6	6	.47619 0̇
7	88.2	7	.5̇
8	100.8	8	.63492 0̇
9	113.4	9	.71428 5̇

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Butts or Pipes.	Gallons.	Gallons.	Butts or Pipes.
1	126.	1	.00793 65
2	252.	2	.01587 3
3	378.	3	.02380 95
4	504.	4	.03174 6
5	630.	5	.03968 25
6	756.	6	.04761 9
7	882.	7	.05
8	1008.	8	.06349 2
9	1134.	9	.07142 85

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Butts or Pipes.	Quarts.	Quarts.	Butts or Pipes.
1	504.	1	.00198 4126
2	1008.	2	.00396 825
3	1512.	3	.00595 2380
4	2016.	4	.00793 65
5	2520.	5	.00992 0634
6	3024.	6	.01190 476
7	3528.	7	.0138
8	4032.	8	.01587 3
9	4536.	9	.01785 7142

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Butts or Pipes.	Pints.	Pints.	Butts or Pipes.
1	1008.	1	.00099 20634
2	2016.	2	.00198 4126
3	3024.	3	.00297 61904
4	4032.	4	.00396 825
5	5040.	5	.00496 03174
6	6048.	6	.00595 2380
7	7056.	7	.00694
8	8064.	8	.00793 65
9	9072.	9	.00892 85714

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Punchs.	Hogheads.	Hhds.	Puncheons.
1	1.3	1	.75
2	2.6	2	1.5
3	4.	3	2.25
4	5.3	4	3.
5	6.	5	3.75
6	8.	6	4.5
7	9.3	7	5.25
8	10.6	8	6.
9	12.	9	6.75

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Punch ^s .	Tierces.	Tierces.	Puncheons.
1	2.	1	.5
2	4.	2	1.0
3	6.	3	1.5
4	8.	4	2.
5	10.	5	2.5
6	12.	6	3.
7	14.	7	3.5
8	16.	8	4.
9	18.	9	4.5

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Punch ^s .	Half Hogheads.	Half Hhds.	Puncheons.
1	2.6	1	.375
2	5.3	2	.75
3	8.	3	1.125
4	10.6	4	1.5
5	13.	5	1.875
6	16.	6	2.25
7	18.6	7	2.625
8	21.3	8	3.
9	24.	9	3.375

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Punch ^s .	Runletts.	Runletts	Puncheons.
1	4.6	1	.21428 57
2	9.3	2	.42857 1
3	14.	3	.64285 71
4	18.6	4	.85714 2
5	23.	5	1.07142 85
6	28.	6	1.28571 4
7	32.6	7	1.5
8	37.3	8	1.71428 5
9	42.	9	1.92857 14

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Punch ^s .	Ankers.	Ankers.	Puncheons.
1	8.4	1	.11904 76
2	16.8	2	.23809 5
3	25.2	3	.35714 28
4	33.6	4	.47619 0
5	42.	5	.59523 80
6	50.4	6	.71428 5
7	58.8	7	.83
8	67.2	8	.95238 0
9	75.6	9	1.07142 85

T A B L E XXIV:
TO COMPARE WINE MEASURES.

Punch ^s .	Gallons.	Gallons.	Puncheons.
1	84.	1	.01190 476
2	168.	2	.02380 95
3	252.	3	.03571 428
4	336.	4	.04761 9
5	420.	5	.05952 380
6	504.	6	.07142 85
7	588.	7	.083
8	672.	8	.09523 8
9	756.	9	.10714 285

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Punch ^s .	Quarts.	Quarts.	Puncheons.
1	336.	1	.00297 61904
2	672.	2	.00595 2380
3	1008.	3	.00892 85714
4	1344.	4	.01190 476
5	1680.	5	.01488 09523
6	2016.	6	.01785 7142
7	2352.	7	.02083
8	2688.	8	.02380 95
9	3024.	9	.02678 57142

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Punchs.	Pints.	Pints.	Puncheons.
1	672.	1	.00148 80952 3
2	1344.	2	.00297 61904
3	2016.	3	.00446 42857 i
4	2688.	4	.00595 2380
5	3360.	5	.00744 04761 9
6	4032.	6	.00892 85714
7	4704.	7	.01041 0
8	5376.	8	.01190 476
9	6048.	9	.01339 28571 4

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Hhds.	Tierces.	Tierces.	Hogfheads.
1	1.5	1	.6
2	3.	2	1.3
3	4.5	3	2.
4	6.	4	2.6
5	7.5	5	3.
6	9.	6	4.
7	10.5	7	4.6
8	12.	8	5.3
9	13.5	9	6.

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Hhds.	Half Hogheads.	Half Hhds.	Hogheads.
1	2.	1	.5
2	4.	2	1.
3	6.	3	1.5
4	8.	4	2.
5	10.	5	2.5
6	12.	6	3.
7	14.	7	3.5
8	16.	8	4.
9	18.	9	4.5

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Hhds.	Runletts.	Runletts	Hogheads.
1	3.5	1	.28571 4
2	7.	2	.57142 8
3	10.5	3	.85714 2
4	14.	4	1.14285 7
5	17.5	5	1.42857
6	21.	6	1.71428 5
7	24.5	7	2.
8	28.	8	2.28571 4
9	31.5	9	2.57142 8

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Hhds.	Ankers.	Ankers.	Hogfheads.
1	6.3	1	.i5873 0
2	12.6	2	.31746 0
3	18.9	3	.47619 0
4	25.2	4	.63492 0
5	31.5	5	.79365 0
6	37.8	6	.95238 0
7	44.1	7	i.
8	50.4	8	1.26984 i
9	56.7	9	i.42857

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Hhds.	Gallons.	Gallons.	Hogfheads.
1	63.	1	.01587 3
2	126.	2	.03174 6
3	189.	3	.04761 9
4	252.	4	.06349 2
5	315.	5	.07936 5
6	378.	6	.09523 8
7	441.	7	.i
8	504.	8	.i2698 4
9	567.	9	.i4285 7

H h

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Hhds.	Quarts.	Quarts.	Hogheads.
1	252.	1	.00396 825
2	504.	2	.00793 65
3	756.	3	.01190 476
4	1008.	4	.01587 3
5	1260.	5	.01984 126
6	1512.	6	.02380 95
7	1764.	7	.027
8	2016.	8	.03174 6
9	2268.	9	.03571 428

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Hhds.	Pints.	Pints.	Hogheads.
1	504.	1	.00198 4126
2	1008.	2	.00396 825
3	1512.	3	.00595 2380
4	2016.	4	.00793 65
5	2520.	5	.00992 0634
6	3024.	6	.01190 476
7	3528.	7	.0138
8	4032.	8	.01587 3
9	4536.	9	.01785 7142

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tierces.	Half Hogheads.	Half Hhds.	Tierces.
1	1.3̇	1	.75
2	2.6̇	2	1.5
3	4.	3	2.25
4	5.3̇	4	3.
5	6.	5	3.75
6	8.	6	4.5
7	9.3̇	7	5.25
8	10.6̇	8	6.
9	12.	9	6.75

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tierces.	Runletts.	Runletts	Tierces.
1	2.3̇	1	.42857 1̇
2	4.6̇	2	.85714 2̇
3	7.	3	1.28571 4̇
4	9.3̇	4	1.71428 5̇
5	11.6̇	5	2.14285 7̇
6	14.	6	2.57142 8̇
7	16.3̇	7	3.
8	18.6̇	8	3.42857 1̇
9	21.	9	3.85714 2̇

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tierces.	Ankers.	Ankers.	Tierces.
1	4.2	1	.23809 5
2	8.4	2	.47619 0
3	12.6	3	.71428 5
4	16.8	4	.95238 0
5	21.	5	1.19047 6
6	25.2	6	1.42857
7	29.4	7	1.6
8	33.6	8	1.90476
9	37.8	9	2.14285 7

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tierces.	Gallons.	Gallons.	Tierces.
1	42.	1	.02380 95
2	84.	2	.04761 9
3	126.	3	.07142 85
4	168.	4	.09523 8
5	210.	5	.11904 76
6	252.	6	.14285 7
7	294.	7	.16
8	336.	8	.19047 6
9	378.	9	.21428 57

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tierces.	Quarts.	Quarts.	Tierces.
1	168.	1	.00595 2380
2	336.	2	.01190 476
3	504.	3	.01785 7142
4	672.	4	.02380 95
5	840.	5	.02976 1904
6	1008.	6	.03571 428
7	1176.	7	.0416
8	1344.	8	.04761 9
9	1512.	9	.05357 1428

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Tierces.	Pints.	Pints.	Tierces.
1	336.	1	.00297 61904
2	672.	2	.00595 2380
3	1008.	3	.00892 85714
4	1344.	4	.01190 476
5	1680.	5	.01488 09523
6	2016.	6	.01785 7142
7	2352.	7	.02083
8	2688.	8	.02380 95
9	3024.	9	.02678 57142

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Half Hhds.	Runletts.	Runletts	Half Hogheads.
1	1.75	1	.57142 8
2	3.5	2	1.14285 7
3	5.25	3	1.71428 5
4	7.	4	2.28571 4
5	8.75	5	2.85714
6	10.5	6	3.42857 i
7	12.25	7	4.
8	14.	8	4.57142 8
9	15.75	9	5.14285 7

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Half Hhds.	Ankers.	Ankers.	Half Hogheads.
1	3.15	1	.31746 0
2	6.3	2	.63492 0
3	9.45	3	.95238 0
4	12.6	4	1.26984 i
5	15.75	5	1.58730
6	18.9	6	1.90476
7	22.05	7	2.
8	25.2	8	2.53968
9	28.35	9	2.85714

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Half Hhds.	Gallons.	Gallons.	Half Hogheads.
1	31.5	1	.03174 6̇
2	63.	2	.06349 2̇
3	94.5	3	.09523 8̇
4	126.	4	.12698 4̇
5	157.5	5	.15873 0̇
6	189.	6	.19047 6̇
7	220.5	7	.2̇
8	252.	8	.25396 8̇
9	283.5	9	.28571 4̇

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Half Hhds.	Quarts.	Quarts.	Half Hogheads.
1	126.	1	.00793 6̇5
2	252.	2	.01587 3̇
3	378.	3	.02380 9̇5
4	504.	4	.03174 6̇
5	630.	5	.03968 2̇5
6	756.	6	.04761 9̇
7	882.	7	.05̇
8	1008.	8	.06349 2̇
9	1134.	9	.07142 8̇5

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Half Hhds.	Pints.	Pints.	Half Hogheads.
1	252.	1	.00396 825
2	504.	2	.00793 65
3	756.	3	.01190 476
4	1008.	4	.01587 3
5	1260.	5	.01984 126
6	1512.	6	.02380 95
7	1764.	7	.027
8	2016.	8	.03174 6
9	2268.	9	.03571 428

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Runletts	Ankers.	Ankers.	Runletts.
1	1.8	1	.5
2	3.6	2	1.
3	5.4	3	1.6
4	7.2	4	2.
5	9.	5	2.7
6	10.8	6	3.
7	12.6	7	3.8
8	14.4	8	4.
9	16.2	9	5.

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Runletts	Gallons.	Gallons.	Runletts.
1	18.	1	.05
2	36.	2	.1
3	54.	3	.16
4	72.	4	.2
5	90.	5	.27
6	108.	6	.3
7	126.	7	.38
8	144.	8	.4
9	162.	9	.5

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Runletts	Quarts.	Quarts.	Runletts.
1	72.	1	.0138
2	144.	2	.027
3	216.	3	.0416
4	288.	4	.05
5	360.	5	.0694
6	432.	6	.083
7	504.	7	.0972
8	576.	8	.1
9	648.	9	.125

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Runletts	Pints.	Pints.	Runletts.
1	144.	1	.00694
2	288.	2	.0138
3	432.	3	.02083
4	576.	4	.027
5	720.	5	.03472
6	864.	6	.0416
7	1008.	7	.04861
8	1152.	8	.05
9	1296.	9	.0625

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Ankers.	Gallons.	Gallons.	Ankers.
1	10.	1	.1
2	20.	2	.2
3	30.	3	.3
4	40.	4	.4
5	50.	5	.5
6	60.	6	.6
7	70.	7	.7
8	80.	8	.8
9	90.	9	.9

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Ankers	Quarts.	Quarts.	Ankers.
1	40.	1	.025
2	80.	2	.05
3	120.	3	.075
4	160.	4	.1
5	200.	5	.125
6	240.	6	.15
7	280.	7	.175
8	320.	8	.2
9	360.	9	.225

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Ankers.	Pints.	Pints.	Ankers.
1	80.	1	.0125
2	160.	2	.025
3	240.	3	.0375
4	320.	4	.05
5	400.	5	.0625
6	480.	6	.075
7	560.	7	.0875
8	640.	8	.1
9	720.	9	.1125

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Gallons.	Quarts.	Quarts.	Gallons.
1	4.	1	.25
2	8.	2	.5
3	12.	3	.75
4	16.	4	1.
5	20.	5	1.25
6	24.	6	1.5
7	28.	7	1.75
8	32.	8	2.
9	36.	9	2.25

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Gallons.	Pints.	Pints.	Gallons.
1	8.	1	.125
2	16.	2	.25
3	24.	3	.375
4	32.	4	.5
5	40.	5	.625
6	48.	6	.75
7	56.	7	.875
8	64.	8	1.
9	72.	9	1.125

T A B L E XXIV.
TO COMPARE WINE MEASURES.

Quarts.	Pints.	Pints.	Quarts.
1	2.	1	.5
2	4.	2	1.
3	6.	3	1.5
4	8.	4	2.
5	10.	5	2.5
6	12.	6	3.
7	14.	7	3.5
8	16.	8	4.
9	18.	9	4.5

T A B L E XXV.
TO COMPARE WINCHESTER MEASURES.

Quarters	Bushels.	Bushels.	Quarters.
1	8.	1	.125
2	16.	2	.25
3	24.	3	.375
4	32.	4	.5
5	40.	5	.625
6	48.	6	.75
7	56.	7	.875
8	64.	8	1.
9	72.	9	1.125

T A B L E XXV.
TO COMPARE WINCHESTER MEASURES.

Quarters	Pecks.	Pecks.	Quarters.
1	32.	1	.03125
2	64.	2	.0625
3	96.	3	.09375
4	128.	4	.125
5	160.	5	.15625
6	192.	6	.1875
7	224.	7	.21875
8	256.	8	.25
9	288.	9	.28125

T A B L E XXV.

TO COMPARE WINCHESTER MEASURES.

Quarters	Gallons.	Gallons.	Quarters.
1	64.	1	.01562 5
2	128.	2	.03125
3	192.	3	.04687 5
4	256.	4	.0625
5	320.	5	.07812 5
6	384.	6	.09375
7	448.	7	.10937 5
8	512.	8	.125
9	576.	9	.14062 5

T A B L E XXV.

TO COMPARE WINCHESTER MEASURES.

Quarters	Quarts.	Quarts.	Quarters.
1	256.	1	.00390 625
2	512.	2	.00781 25
3	768.	3	.01171 875
4	1024.	4	.01562 5
5	1280.	5	.01953 125
6	1536.	6	.02343 75
7	1792.	7	.02734 375
8	2048.	8	.03125
9	2304.	9	.03515 625

T A B L E XXV.
TO COMPARE WINCHESTER MEASURES.

Quarters	Pints.	Pints.	Quarters.
1	512.	1	.00195 3125
2	1024.	2	.00390 625
3	1536.	3	.00585 9375
4	2048.	4	.00781 25
5	2560.	5	.00976 5625
6	3072.	6	.01171 875
7	3584.	7	.01367 1875
8	4096.	8	.01562 5
9	4608.	9	.01757 8125

T A B L E XXV.
TO COMPARE WINCHESTER MEASURES.

Busbels.	Pecks.	Pecks.	Busbels.
1	4.	1	.25
2	8.	2	.5
3	12.	3	.75
4	16.	4	1.
5	20.	5	1.25
6	24.	6	1.5
7	28.	7	1.75
8	32.	8	2.
9	36.	9	2.25

T A B L E XXV.

TO COMPARE WINCHESTER MEASURES.

Bufhels.	Gallons.	Gallons.	Bufhels.
1	8.	1	.125
2	16.	2	.25
3	24.	3	.375
4	32.	4	.5
5	40.	5	.625
6	48.	6	.75
7	56.	7	.875
8	64.	8	1.
9	72.	9	1.125

T A B L E XXV.

TO COMPARE WINCHESTER MEASURES.

Bufhels.	Quarts.	Quarts.	Bufhels.
1	32.	1	.03125
2	64.	2	.0625
3	96.	3	.09375
4	128.	4	.125
5	160.	5	.15625
6	192.	6	.1875
7	224.	7	.21875
8	256.	8	.25
9	288.	9	.28125

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T A B L E XXV.
TO COMPARE WINCHESTER MEASURES.

Bufhels.	Pints.	Pints.	Bufhels.
1	64.	1	.01562 5
2	128.	2	.03125
3	192.	3	.04687 5
4	256.	4	.0625
5	320.	5	.07812 5
6	384.	6	.09375
7	448.	7	.10937 5
8	512.	8	.125
9	576.	9	.14062 5

T A B L E XXV.
TO COMPARE WINCHESTER MEASURES.

Pecks.	Gallons.	Gallons.	Pecks.
1	2.	1	.5
2	4.	2	1.
3	6.	3	1.5
4	8.	4	2.
5	10.	5	2.5
6	12.	6	3.
7	14.	7	3.5
8	16.	8	4.
9	18.	9	4.5

T A B L E XXV.

TO COMPARE WINCHESTER MEASURES.

Pecks.	Quarts.	Quarts.	Pecks.
1	8.	1	.125
2	16.	2.	.25
3	24.	3	.375
4	32.	4	.5
5	40.	5	.625
6	48.	6	.75
7	56.	7	.875
8	64.	8	1.
9	72.	9	1.125

T A B L E XXV.

TO COMPARE WINCHESTER MEASURES.

Pecks.	Pints.	Pints.	Pecks.
1	16.	1	.0625
2	32.	2	.125
3	48.	3	.1875
4	64.	4	.25
5	80.	5	.3125
6	96.	6	.375
7	112.	7	.4375
8	128.	8	.5
9	144.	9	.5625

T A B L E XXV.
TO COMPARE WINCHESTER MEASURES.

Gallons.	Quarts.	Quarts.	Gallons.
1	4.	1	.25
2	8.	2	.5
3	12.	3	.75
4	16.	4	1.
5	20.	5	1.25
6	24.	6	1.5
7	28.	7	1.75
8	32.	8	2.
9	36.	9	2.25

T A B L E XXV.
TO COMPARE WINCHESTER MEASURES.

Gallons.	Pints.	Pints.	Gallons.
1	8.	1	.125
2	16.	2	.25
3	24.	3	.375
4	32.	4	.5
5	40.	5	.625
6	48.	6	.75
7	56.	7	.875
8	64.	8	1.
9	72.	9	1.125

T A B L E XXV.
TO COMPARE WINCHESTER MEASURES.

Quarts.	Pints.	Pints.	Quarts.
1	2.	1	.5
2	4.	2	1.
3	6.	3	1.5
4	8.	4	2.
5	10.	5	2.5
6	12.	6	3.
7	14.	7	3.5
8	16.	8	4.
9	18.	9	4.5

N n

T A B L E X X V I .
B E E R M E A S U R E .

At 282 Cube Inches per Gallon.

C U B E F E E T C O M P A R E D W I T H B A R R E L S .

Cube Ft.	Barrels.	Barrels.	Cube Feet.
1	0.17021 27659 57 &c.	1	5.875
2	0.34042 55319 14	2	11.75
3	0.51063 82978 72	3	17.625
4	0.68085 10638 29	4	23.5
5	0.85106 38297 87	5	29.375
6	1.02127 65957 44	6	35.25
7	1.19148 93617 02	7	41.125
8	1.36170 21276 59	8	47.
9	1.53191 48936 17	9	52.875

T A B L E X X V I .
B E E R M E A S U R E .

At 282 Cube Inches per Gallon.

C U B E F E E T C O M P A R E D W I T H G A L L O N S .

Cube Ft.	Gallons.	Gallons.	Cube Feet.
1	6.12765 95744 680 &c.	1	0.16319 4
2	12.25531 91489 36	2	0.32638
3	18.38297 87234 04	3	0.48958 3
4	24.51063 82978 72	4	0.6527
5	30.63829 78723 40	5	0.81597 2
6	36.76595 74468 08	6	0.97916
7	42.89361 70212 76	7	1.14236 i
8	49.02127 65957 44	8	1.305
9	55.14893 61702 12	9	1.46875

T A B L E XXVI.

B E E R M E A S U R E.

At 282 Cube Inches per Gallon.

CUBE FEET COMPARED WITH QUARTS.

Cube Ft.	Quarts.	Quarts.	Cube Feet.
1	24.51063 82978 72 &c.	1	0.04079 86i
2	49.02127 65957 44	2	0.08159 72
3	73.53191 48936 17	3	0.12239 583
4	98.04255 31914 89	4	0.16319 4
5	122.55319 14893 61	5	0.20399 305
6	147.06382 97872 34	6	0.24479 16
7	171.57446 80851 06	7	0.28559 027
8	196.08510 63829 78	8	0.32638
9	220.59574 46808 51	9	0.36718 749

T A B L E XXVI.

B E E R M E A S U R E.

At 282 Cube Inches per Gallon.

CUBE FEET COMPARED WITH PINTS.

Cube Ft.	Pints.	Pints.	Cube Feet.
1	49.02127 65957 4 &c.	1	.02039 9305
2	98.04255 31914 8	2	.04079 86i
3	147.06382 97872 3	3	.06119 7916
4	196.08510 63829 7	4	.08159 72
5	245.10638 29787 2	5	.10199 6527
6	294.12765 95744 6	6	.12239 583
7	343.14893 61702 1	7	.14279 5138
8	392.17021 27659 5	8	.16319 4
9	441.19148 93617 0	9	.18359 375

TABLE XXVII.

BEER MEASURE.

At 282 Cube Inches per Gallon.

CUBE INCHES COMPARED WITH BARRELS.

Cube In.	Barrels.	Barrels.	Cube Inches.
1	.00009 85027 5807 &c.	1	10152.
2	.00019 70055 1615	2	20304.
3	.00029 55082 7423	3	30456.
4	.00039 40110 3231	4	40608.
5	.00049 25137 9038	5	50760.
6	.00059 10165 4846	6	60912.
7	.00068 95193 0654	7	71064.
8	.00078 80220 6461	8	81216.
9	.00088 65248 2270	9	91368.

TABLE XXVII.

BEER MEASURE.

At 282 Cube Inches per Gallon.

CUBE INCHES COMPARED WITH GALLONS.

Cube In.	Gallons.	Gallons.	Cube Inches.
1	0.00354 60992 9078 &c.	1	282.
2	0.00709 21985 8156	2	564.
3	0.01063 82978 7234	3	846.
4	0.01418 43971 6312	4	1128.
5	0.01773 04964 5390	5	1410.
6	0.02127 65957 4468	6	1692.
7	0.02482 26950 3546	7	1974.
8	0.02836 87943 2624	8	2256.
9	0.03191 48936 1702	9	2538.

TABLE XXVII.

BEER MEASURE.

At 282 Cube Inches per Gallon.

CUBE INCHES COMPARED WITH QUARTS.

Cube In.	Quarts.	Quarts.	Cube Inches.
1	.01418 43971 6312 &c.	1	70.5
2	.02836 87943 2624	2	141.
3	.04255 31914 8936	3	211.5
4	.05673 75886 5248	4	282.
5	.07092 19858 1560	5	352.5
6	.08510 63829 7872	6	423.
7	.09929 07801 4184	7	493.5
8	.11347 51773 0496	8	564.
9	.12765 95744 6808	9	634.5

TABLE XXVII.

BEER MEASURE.

At 282 Cube Inches per Gallon.

CUBE INCHES COMPARED WITH PINTS.

Cube In.	Pints.	Pints.	Cube Inches.
1	.02836 87943 26241 &c.	1	35.25
2	.05673 75886 52482	2	70.5
3	.08510 63829 78723	3	105.75
4	.11347 51773 04964	4	141.
5	.14184 39716 31205	5	176.25
6	.17021 27659 57446	6	211.5
7	.19858 15602 83688	7	246.75
8	.22695 03546 09929	8	282.
9	.25531 91489 36170	9	317.25

T A B L E XXVIII.
B E E R B A R R E L S.

Containing 10152 Cube Inches.

COMPARED WITH AVOIRDUPOISE POUNDS OF WATER.

Beer Barrels.	Avoirdupoise Pounds.	Avoird. Lbs.	Beer Barrels.
1	367.1875	1	.00272 34042 55 &c.
2	734.375	2	.00544 68085 10
3	1101.5625	3	.00817 02127 66
4	1468.75	4	.01089 36170 21
5	1835.9375	5	.01361 70212 76
6	2203.125	6	.01634 04255 32
7	2570.3125	7	.01906 38297 87
8	2937.5	8	.02178 72340 42
9	3304.6875	9	.02451 06382 97

T A B L E XXVIII.

BEER BARRELS, at 36 Gallons each ;

COMPARED WITH

ALE BARRELS, at 34 Gallons each.

Beer Barrels.	Ale Barrels.	Ale Barrels.	Beer Barrels.
1	1.05882 35294 11764 7	1	0.94
2	2.11764 70588 23529 4	2	1.8
3	3.17647 05882 35294 1	3	2.83
4	4.23529 41176 47058 8	4	3.7
5	5.29411 76470 58823 5	5	4.72
6	6.35294 11764 70588 2	6	5.6
7	7.41176 47058 82352 9	7	6.61
8	8.47058 82352 94117 6	8	7.5
9	9.52941 17647 05882 3	9	8.5

T A B L E XXIX.

Of the Diameter of a Cylinder in Feet, that will contain any Number of Wine Hogsheads, from One to One Hundred, at One Foot in Depth. Also the Number of Cube Feet contained in each Hoghead.

Wine Hhds.	Diameter Feet.	Contents in Cube Feet.	Wine Hhds.	Diameter Feet.	Contents in Cube Feet.
1	3.2746	8.42187 5	26	16.697	218.96875
2	4.631	16.84375	27	17.015	227.39062 5
3	5.6718	25.26562 5	28	17.327	235.8125
4	6.5492	33.6875	29	17.635	244.23437 5
5	7.3222	42.10937 5	30	17.936	252.65625
6	8.0211	50.53125	31	18.232	261.07812 5
7	8.6638	58.95312 5	32	18.524	269.5
8	9.262	67.375	33	18.811	277.92187 5
9	9.8238	75.79687 5	34	19.094	286.34375
10	10.365	84.21875	35	19.373	294.76562 5
11	10.861	92.64062 5	36	19.647	303.1875
12	11.344	101.0625	37	19.919	311.60937 5
13	11.8067	109.48437 5	38	20.186	320.03125
14	12.252	117.90625	39	20.45	328.45312 5
15	12.682	126.32812 5	40	20.711	336.875
16	13.098	134.75	41	20.968	345.29687 5
17	13.501	143.17187 5	42	21.222	353.71875
18	13.893	151.59375	43	21.475	362.14062 5
19	14.274	160.01562 5	44	21.721	370.5625
20	14.644	168.4375	45	21.967	378.98437 5
21	15.006	176.85937 5	46	22.209	387.40625
22	15.359	185.28125	47	22.449	395.82812 5
23	15.704	193.70312 5	48	22.687	404.25
24	16.042	202.125	49	22.922	412.67187 5
25	16.373	210.54687 5	50	23.155	421.09375

T A B L E X X I X .
C O N C L U D E D .

Wine Hhds.	Diameter Feet.	Contents in Cube Feet.	Wine Hhds.	Diameter Feet.	Contents in Cube Feet.
51	23.385	429.51562 5	76	28.547	640.0625
52	23.614	437.9375	77	28.734	648.48437 5
53	23.839	446.35937 5	78	28.92	656.90625
54	24.063	454.78125	79	29.105	665.32812 5
55	24.285	463.20312 5	80	29.289	673.75
56	24.505	471.625	81	29.472	682.17187 5
57	24.723	480.04687 5	82	29.653	690.59375
58	24.939	488.46875	83	29.833	699.01562 5
59	25.153	496.89062 5	84	30.012	707.4375
60	25.365	505.3125	85	30.19	715.85937 5
61	25.575	513.73437 5	86	30.367	724.28125
62	25.784	522.15625	87	30.544	732.70312 5
63	25.991	530.57812 5	88	30.719	741.125
64	26.197	539.	89	30.893	749.54687 5
65	26.401	547.42187 5	90	31.066	757.96875
66	26.603	555.84375	91	31.238	766.39062 5
67	26.804	564.26562 5	92	31.409	774.8125
68	27.003	572.6875	93	31.579	783.23437 5
69	27.201	581.10937 5	94	31.748	791.65625
70	27.397	589.53125	95	31.917	800.07812 5
71	27.592	597.95312 5	96	32.084	808.5
72	27.786	606.375	97	32.251	816.92187 5
73	27.978	614.79687 5	98	32.417	825.34375
74	28.169	623.21875	99	32.582	833.76562 5
75	28.359	631.64062 5	100	32.746	842.1875

T A B L E X X X .

Of the Square Root of the Area, and of the Diameter in Inches, of Circles,
whose Areas are given, in Wine Gallons and Cube Inches.

Area in		Square Root of Area in Inches.	Diameter in Inches.	Area in		Square Root of Area in Inches.	Diameter in Inches.
Wine Gall.	Cube Inches.			Wine Gall.	Cube Inches.		
1	231	15.19868 4	17.1499	19	4389	66.24952 8	74.7545
2	462	21.49418 5	24.2536	20	4620	67.97058 1	76.6965
3	693	26.32489 3	29.7044	21	4851	69.64912 0	78.5906
4	924	30.39736 8	34.2997	22	5082	71.28814 7	80.4400
5	1155	33.98529 1	38.3483	23	5313	72.89032 8	82.2479
6	1386	37.22902 1	42.0084	24	5544	74.45804 2	84.0168
7	1617	40.21193 8	45.3743	25	5775	75.99342 7	85.7494
8	1848	42.98837 0	48.5072	26	6006	77.49838 7	87.4475
9	2079	45.59605 2	51.4496	27	6237	78.97467 9	89.1133
10	2310	48.06245 9	54.2327	28	6468	80.42387 7	90.7486
11	2541	50.40833 2	56.8796	29	6699	81.84741 9	92.3549
12	2772	52.64978 6	59.4088	30	6930	83.24662 1	93.9337
13	3003	54.79963 5	61.8347	31	7161	84.62269 2	95.4864
14	3234	56.86826 8	64.1689	31.5	7276.5	85.30240 3	96.2534
15	3465	58.86425 0	66.4211	63.	14553.	120.63581 5	136.1229
16	3696	60.79473 6	68.5994	252.	58212.	241.27163 1	272.2458
17	3927	62.66578 0	70.7107				
18	4158	64.48255 5	72.7607				

T A B L E XXXI.

Shewing the Thickness of Brass, Cast Iron, Copper, or Lead, at any given Number of Avoirdupoise Pounds to a Square Foot.

Weight of a Square Foot. Lbs.	Thickness.			
	Brass Cast.	Cast Iron.	Copper.	Lead.
	Inches.	Inches.	Inches.	Inches.
1	.024	.027	.02171 0	.0169
$\frac{1}{4}$	.03	.03472	.02713 7	.0211
$\frac{1}{2}$	.036	.0416	.03256	.02538
$\frac{3}{4}$	.042	.04861	.03799	.02961
2	.048	.05	.04342	.0338
$\frac{1}{4}$	.054	.0625	.04885	.03806
$\frac{1}{2}$	.06	.0694	.05427	.0423
$\frac{3}{4}$	.066	.07638	.05970	.0465
3	.072	.083	.06513	.0507
$\frac{1}{4}$	.078	.09027	.07056	.05497
$\frac{1}{2}$	.084	.0972	.07598	.0592
$\frac{3}{4}$	.09	.10416	.08141	.0634
4	.096	.1	.08684	.06767
$\frac{1}{4}$	.102	.11805	.09227	.0719
$\frac{1}{2}$	.108	.125	.09770	.0761
$\frac{3}{4}$	.114	.13194	.10312	.0803
5	.12	.138	.10855	.0846
$\frac{1}{4}$	.126	.14583	.11398	.0888
$\frac{1}{2}$	.132	.1527	.11941	.09304
$\frac{3}{4}$	.138	.15972	.12484	.09727
6	.144	.16	.13026	.10150
$\frac{1}{4}$	.15	.17361	.13570	.1057
$\frac{1}{2}$	.156	.1805	.14112	.10996
$\frac{3}{4}$	.162	.1875	.14655	.1142

T A B L E X X X I .
C O N C L U D E D .

Weight of a Square Foot. Lbs.	Thickness.			
	Brass Cast.	Cast Iron.	Copper.	Lead.
	Inches.	Inches.	Inches.	Inches.
7	.168	.194	.15197	.1184
$\frac{1}{4}$	.174	.20138	.15740	.1126
$\frac{1}{2}$	.18	.2083	.16283	.1269
$\frac{3}{4}$	.186	.21527	.16826	.1311
8	.192	.2	.17369	.1353
$\frac{1}{4}$	.198	.22916	.17911	.1396
$\frac{1}{2}$	.204	.2361	.18454	.1438
$\frac{3}{4}$	.21	.24305	.18997	.1480
9	.216	.25	.19540	.1523
$\frac{1}{4}$	.222	.25694	.20082	.1565
$\frac{1}{2}$	.228	.2683	.20625	.1607
$\frac{3}{4}$	.234	.27083	.21168	.1649
10	.24	.27	.21711	.1692
20	.48	.5	.43422	.3384
30	.72	.83	.65132	.5076
40	.96	1.1	.86843	.6768
50	1.2	1.38	1.08554	.8459
60	1.44	1.6	1.30265	1.0151
70	1.68	1.94	1.51975	1.1843
80	1.92	2.2	1.73686	1.3535
90	2.16	2.5	1.95397	1.5227
100	2.4	2.7	2.17108	1.6919

T A B L E XXXII.

Shewing the Weight of Brass, Cast Iron, Copper, or Lead, at any given Thickness of Parts of an Inch, and of Inches to a Square Foot.

Thickness in Inches and Parts.	Weight in Avoirdupoise Pounds of			
	Brass.	Cast Iron.	Copper.	Lead.
$\frac{1}{8}$	0.65104 16	0.5625	0.71968 75	0.9236
$\frac{1}{6}$	0.694	0.6	0.76	0.9852
$\frac{1}{5}$	0.74404 7	0.64285 71	0.8225	1.0556
$\frac{1}{4}$	0.80128 205	0.69230 7	0.88577	1.1368
$\frac{3}{8}$	0.86805	0.75	0.95	1.2315
$\frac{1}{2}$	0.9469	0.81	1.04681	1.3435
$\frac{5}{8}$	1.0416	0.9	1.1515	1.4778
$\frac{3}{4}$	1.15740	1.	1.27946	1.6420
$\frac{7}{8}$	1.30208 3	1.125	1.43937 5	1.8473
$\frac{1}{2}$	1.48809 523	1.28571 4	1.645	2.1112
$\frac{3}{4}$	1.7361	1.5	1.9	2.4630
$\frac{1}{2}$	2.083	1.8	2.303	2.9556
$\frac{1}{2}$	2.60416	2.25	2.87875	3.6945
$\frac{1}{2}$	3.472	3.	3.8383	4.9261
$\frac{1}{2}$	5.2083	4.5	5.7575	7.3891
$\frac{1}{4}$	10.416	9.	11.5150	14.7782
$\frac{1}{2}$	20.83	18.	23.0300	29.5565
$\frac{3}{4}$	31.25	27.	34.5450	44.3347
1	41.6	36.	46.0600	59.1130
2	83.3	72.	92.12	118.2260
3	125.	108.	138.18	177.3391
4	166.6	144.	184.24	236.4521
5	208.3	180.	230.3	295.5651
6	250.	216.	276.36	354.6781
7	291.6	252.	322.42	413.7912
8	333.3	288.	368.48	472.9042
9	375.	324.	414.54	532.0172
10	416.6	360.	460.6	591.1302
11	458.3	396.	506.66	650.2433
12 { Or a } Cube Ft. }	500.	432.	552.72	709.3563

T A B L E XXXIII.

Shewing how many Barrels of Water, at 212° of Heat, (or boiling,) and how many Barrels, at either of the different Degrees of Heat, expressed in the Top Horizontal Column, must be mixed, to produce a given Number of Barrels, at any given Heat, expressed in the First Perpendicular Column on the Left Hand.

Degrees of Heat.	32°	35°	40°	45°	50°	55°	60°
100°	. 3777	. 3672	. 3488	. 3293	. 3086	. 2866	. 2631
105	. 4055	. 3955	. 3779	. 3593	. 3395	. 3185	. 2960
110	. 4333	. 4237	. 4070	. 3892	. 3704	. 3503	. 3289
115	. 4611	. 4520	. 4360	. 4192	. 4012	. 3822	. 3611
120	. 4889	. 4802	. 4651	. 4491	. 4321	. 4140	. 3947
125	. 5167	. 5085	. 4942	. 4790	. 4630	. 4458	. 4276
130	. 5444	. 5367	. 5232	. 5090	. 4938	. 4777	. 4605
135	. 5722	. 5650	. 5523	. 5389	. 5247	. 5095	. 4934
140	. 6000	. 5932	. 5814	. 5689	. 5555	. 5414	. 5263
145	. 6278	. 6215	. 6105	. 5988	. 5864	. 5732	. 5592
150	. 6555	. 6497	. 6395	. 6287	. 6173	. 6051	. 5921
155	. 6833	. 6780	. 6686	. 6587	. 6481	. 6369	. 6250
160	. 7111	. 7062	. 6977	. 6886	. 6790	. 6688	. 6579
165	. 7389	. 7345	. 7267	. 7186	. 7099	. 7006	. 6908
170	. 7667	. 7627	. 7558	. 7485	. 7407	. 7325	. 7237
175	. 7944	. 7910	. 7849	. 7784	. 7716	. 7643	. 7566
180	. 8222	. 8192	. 8139	. 8084	. 8025	. 7962	. 7895
185	. 8500	. 8474	. 8430	. 8383	. 8333	. 8280	. 8224
190	. 8778	. 8757	. 8721	. 8683	. 8642	. 8599	. 8553
195	. 9055	. 9039	. 9012	. 8982	. 8951	. 8917	. 8881
200	. 9333	. 9322	. 9302	. 9281	. 9259	. 9236	. 9210

RULE. Seek the required Degree of Heat, in the left hand Column, and the given Heat of the Cold, in the Top Horizontal One. Multiply the given Number of Barrels, by the Decimals standing at the Angle of Meeting, and the Product will shew the Number of Barrels of Boiling.

EXAMPLE. Required the Number of Barrels, at 212° , and the Number of Barrels at 45° of Heat, that must be mixed to produce 120 Barrels, at 150° of Heat?

At the Angle of Meeting, under 45° , and opposite 150° , stands the Decimal .6287, which being multiplied by the given Number of Barrels, viz. 120, produces 75.4440 for the No. of Barrels of Boiling required, consequently - 44.5560 will be the No. of Barrels required, at 45° for

$$75.444 + 44.556 = 120.000.$$

T A B L E X X X I V .
FOR THE CALCULATION OF INTEREST.

From				No. of Days	At £.5 per Cent. per Annum. Decimals. Equivalent to the Interest of One Pound.	No. of Days	To			
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.
To							From			
March.	June.	Sept.	Dec.				March.	June.	Sept.	Dec.
26	25	30	26	1	.00013 69863	1	24	23	28	24
27	26	Oct. 1	27	2	.00027 39726	2	23	22	27	23
28	27	2	28	3	.00041 09589	3	22	21	26	22
29	28	3	29	4	.00054 79452	4	21	20	25	21
30	29	4	30	5	.00068 49315	5	20	19	24	20
31	30	5	31	6	.00082 19178	6	19	18	23	19
Apr. 1	July 1	6	Jan. 1	7	.00095 89041	7	18	17	22	18
2	2	7	2	8	.00109 58904	8	17	16	21	17
3	3	8	3	9	.00123 28767	9	16	15	20	16
4	4	9	4	10	.00136 98630	10	15	14	19	15
5	5	10	5	11	.00150 68493	11	14	13	18	14
6	6	11	6	12	.00164 38356	12	13	12	17	13
7	7	12	7	13	.00178 08219	13	12	11	16	12
8	8	13	8	14	.00191 78082	14	11	10	15	11
9	9	14	9	15	.00205 47945	15	10	9	14	10
10	10	15	10	16	.00219 17808	16	9	8	13	9
11	11	16	11	17	.00232 87671	17	8	7	12	8
12	12	17	12	18	.00246 57534	18	7	6	11	7
13	13	18	13	19	.00260 27397	19	6	5	10	6
14	14	19	14	20	.00273 97260	20	5	4	9	5
15	15	20	15	21	.00287 67123	21	4	3	8	4
16	16	21	16	22	.00301 36986	22	3	2	7	3
17	17	22	17	23	.00315 06849	23	2	1	6	2
18	18	23	18	24	.00328 76712	24	1	May 31	5	1
19	19	24	19	25	.00342 46575	25	Feb. 28	30	4	Nov. 30
20	20	25	20	26	.00356 16438	26	27	29	3	29
21	21	26	21	27	.00369 86301	27	26	28	2	28
22	22	27	22	28	.00383 56164	28	25	27	1	27
23	23	28	23	29	.00397 26027	29	24	26	Aug. 31	26
24	24	29	24	30	.00410 95890	30	23	25	30	25

TABLE XXXIV.
CONTINUED.

From					At £.5 per Cent. per Annum.		To			
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.
To				No. of Days	Decimals.	No. of Days	From			
April.	July.	October	January.				Feb.	May	August.	Nov.
25	25	30	25	31	.00424 65753	31	22	24	29	24
26	26	31	26	32	.00438 35616	32	21	23	28	23
27	27	Nov. 1	27	33	.00452 05479	33	20	22	27	22
28	28	2	28	34	.00465 75342	34	19	21	26	21
29	29	3	29	35	.00479 45205	35	18	20	25	20
30	30	4	30	36	.00493 15068	36	17	19	24	19
May 1	31	5	31	37	.00506 84931	37	16	18	23	18
2	Aug. 1	6	Feb. 1	38	.00520 54794	38	15	17	22	17
3	2	7	2	39	.00534 24657	39	14	16	21	16
4	3	8	3	40	.00547 94520	40	13	15	20	15
5	4	9	4	41	.00561 64383	41	12	14	19	14
6	5	10	5	42	.00575 34246	42	11	13	18	13
7	6	11	6	43	.00589 04109	43	10	12	17	12
8	7	12	7	44	.00602 73972	44	9	11	16	11
9	8	13	8	45	.00616 43835	45	8	10	15	10
10	9	14	9	46	.00630 13698	46	7	9	14	9
11	10	15	10	47	.00643 83561	47	6	8	13	8
12	11	16	11	48	.00657 53424	48	5	7	12	7
13	12	17	12	49	.00671 23287	49	4	6	11	6
14	13	18	13	50	.00684 93150	50	3	5	10	5
15	14	19	14	51	.00698 63013	51	2	4	9	4
16	15	20	15	52	.00712 32876	52	1	3	8	3
17	16	21	16	53	.00726 02739	53	Jan. 31	2	7	2
18	17	22	17	54	.00739 72602	54	30	1	6	1
19	18	23	18	55	.00753 42465	55	29	Apr. 30	5	Oct. 31
20	19	24	19	56	.00767 12328	56	28	29	4	30
21	20	25	20	57	.00780 82191	57	27	28	3	29
22	21	26	21	58	.00794 52054	58	26	27	2	28
23	22	27	22	59	.00808 21917	59	25	26	1	27
24	23	28	23	60	.00821 91780	60	24	25	July 31	26

TABLE XXXIV.
CONTINUED.

From				No. of Days	At £.5 per Cent. per Annum. Decimals. Equivalent to the Interest of One Pound.	No. of Days	To			
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.
To							From			
May	August	Nov.	Feb.				January	April	July	October
25	24	29	24	61	.00835 61643	61	23	24	30	25
26	25	30	25	62	.00849 31506	62	22	23	29	24
27	26	Dec. 1	26	63	.00863 01369	63	21	22	28	23
28	27	2	27	64	.00876 71232	64	20	21	27	22
29	28	3	28	65	.00890 41095	65	19	20	26	21
30	29	4	Mar. 1	66	.00904 10958	66	18	19	25	20
31	30	5	2	67	.00917 80821	67	17	18	24	19
June 1	31	6	3	68	.00931 50684	68	16	17	23	18
2	Sept. 1	7	4	69	.00945 20547	69	15	16	22	17
3	2	8	5	70	.00958 90410	70	14	15	21	16
4	3	9	6	71	.00972 60273	71	13	14	20	15
5	4	10	7	72	.00986 30136	72	12	13	19	14
6	5	11	8	73	.01	73	11	12	18	13
7	6	12	9	74	.01013 69863	74	10	11	17	12
8	7	13	10	75	.01027 39726	75	9	10	16	11
9	8	14	11	76	.01041 09589	76	8	9	15	10
10	9	15	12	77	.01054 79452	77	7	8	14	9
11	10	16	13	78	.01068 49315	78	6	7	13	8
12	11	17	14	79	.01082 19178	79	5	6	12	7
13	12	18	15	80	.01095 89041	80	4	5	11	6
14	13	19	16	81	.01109 58904	81	3	4	10	5
15	14	20	17	82	.01123 28767	82	2	3	9	4
16	15	21	18	83	.01136 98630	83	1	2	8	3
17	16	22	19	84	.01150 68493	84	Dec. 31	1	7	2
18	17	23	20	85	.01164 38356	85	30	Mar. 31	6	1
19	18	24	21	86	.01178 08219	86	29	30	5	Sept. 30
20	19	25	22	87	.01191 78082	87	28	29	4	29
21	20	26	23	88	.01205 47945	88	27	28	3	28
22	21	27	24	89	.01219 17808	89	26	27	2	27
23	22	28	25	90	.01232 87671	90	25	26	1	26

TABLE XXXIV.
CONTINUED.

From				No. of Days.	At £.5 per Cent. per Annum. Decimals. Equivalent to the Interest of One Pound.	No. of Days.	To			
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.
To							From			
June	Sept.	Dec.	March				Dec.	March	June	Sept.
24	23	29	26	91	.01246 57534	91	24	25	30	25
25	24	30	27	92	.01260 27397	92	23	24	29	24
26	25	31	28	93	.01273 97260	93	22	23	28	23
27	26	Jan. 1	29	94	.01287 67123	94	21	22	27	22
28	27	2	30	95	.01301 36986	95	20	21	26	21
29	28	3	31	96	.01315 06849	96	19	20	25	20
30	29	4	Apr. 1	97	.01328 76712	97	18	19	24	19
July 1	30	5	2	98	.01342 46575	98	17	18	23	18
2	Oct. 1	6	3	99	.01356 16438	99	16	17	22	17
3	2	7	4	100	.01369 86301	100	15	16	21	16
4	3	8	5	101	.01383 56164	101	14	15	20	15
5	4	9	6	102	.01397 26027	102	13	14	19	14
6	5	10	7	103	.01410 95890	103	12	13	18	13
7	6	11	8	104	.01424 65753	104	11	12	17	12
8	7	12	9	105	.01438 35616	105	10	11	16	11
9	8	13	10	106	.01452 05479	106	9	10	15	10
10	9	14	11	107	.01465 75342	107	8	9	14	9
11	10	15	12	108	.01479 45205	108	7	8	13	8
12	11	16	13	109	.01493 15068	109	6	7	12	7
13	12	17	14	110	.01506 84931	110	5	6	11	6
14	13	18	15	111	.01520 54794	111	4	5	10	5
15	14	19	16	112	.01534 24657	112	3	4	9	4
16	15	20	17	113	.01547 94520	113	2	3	8	3
17	16	21	18	114	.01561 64383	114	1	2	7	2
18	17	22	19	115	.01575 34246	115	Nov.30	1	6	1
19	18	23	20	116	.01589 04109	116	29	Feb. 28	5	Aug.31
20	19	24	21	117	.01602 73972	117	28	27	4	30
21	20	25	22	118	.01616 43835	118	27	26	3	29
22	21	26	23	119	.01630 13698	119	26	25	2	28
23	22	27	24	120	.01643 83561	120	25	24	1	27

TABLE XXXIV.
CONTINUED.

From				No. of Days.	At £.5 per Cent. per Annum. Decimals. Equivalent to the Interest of One Pound.	No. of Days.	To						
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.			
To							From						
July	October	January	April				Nov.	Feb.	May	Aug.			
24	23	28	25	121	.01657 53424	121	24	23	31	26			
25	24	29	26	122	.01671 23287	122	23	22	30	25			
26	25	30	27	123	.01684 93150	123	22	21	29	24			
27	26	31	28	124	.01698 63013	124	21	20	28	23			
28	27	Feb. 1	29	125	.01712 32876	125	20	19	27	22			
29	28	2	30	126	.01726 02739	126	19	18	26	21			
30	29	3	May 1	127	.01739 72602	127	18	17	25	20			
31	30	4	2	128	.01753 42465	128	17	16	24	19			
Aug. 1	31	5	3	129	.01767 12328	129	16	15	23	18			
2	Nov. 1	6	4	130	.01780 82191	130	15	14	22	17			
3	2	7	5	131	.01794 52054	131	14	13	21	16			
4	3	8	6	132	.01808 21917	132	13	12	20	15			
5	4	9	7	133	.01821 91780	133	12	11	19	14			
6	5	10	8	134	.01835 61643	134	11	10	18	13			
7	6	11	9	135	.01849 31506	135	10	9	17	12			
8	7	12	10	136	.01863 01369	136	9	8	16	11			
9	8	13	11	137	.01876 71232	137	8	7	15	10			
10	9	14	12	138	.01890 41095	138	7	6	14	9			
11	10	15	13	139	.01904 10958	139	6	5	13	8			
12	11	16	14	140	.01917 80821	140	5	4	12	7			
13	12	17	15	141	.01931 50684	141	4	3	11	6			
14	13	18	16	142	.01945 20547	142	3	2	10	5			
15	14	19	17	143	.01958 90410	143	2	1	9	4			
16	15	20	18	144	.01972 60273	144	1	Jan. 31	8	3			
17	16	21	19	145	.01986 30136	145	Oct. 31	30	7	2			
18	17	22	20	146	.02	146	30	29	6	1			
19	18	23	21	147	.02013 69863	147	29	28	5	July 31			
20	19	24	22	148	.02027 39726	148	28	27	4	30			
21	20	25	23	149	.02041 09589	149	27	26	3	29			
22	21	26	24	150	.02054 79452	150	26	25	2	28			

TABLE XXXIV.
CONTINUED.

From				No. of Days	At £.5 per Cent. per Annum.	No. of Days.	To			
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.
To							From			
Auguft	Nov.	Feb.	May		Decimals.		October	January	May	July
23	22	27	25	151	.02068 49315	151	25	24	1	27
24	23	28	26	152	.02082 19178	152	24	23	Apr.30	26
25	24	Mar. 1	27	153	.02095 89041	153	23	22	29	25
26	25	2	28	154	.02109 58904	154	22	21	28	24
27	26	3	29	155	.02123 28767	155	21	20	27	23
28	27	4	30	156	.02136 98630	156	20	19	26	22
29	28	5	31	157	.02150 68493	157	19	18	25	21
30	29	6	June 1	158	.02164 38356	158	18	17	24	20
31	30	7	2	159	.02178 08219	159	17	16	23	19
Sept. 1	Dec. 1	8	3	160	.02191 78082	160	16	15	22	18
2	2	9	4	161	.02205 47945	161	15	14	21	17
3	3	10	5	162	.02219 17808	162	14	13	20	16
4	4	11	6	163	.02232 87671	163	13	12	19	15
5	5	12	7	164	.02246 57534	164	12	11	18	14
6	6	13	8	165	.02260 27397	165	11	10	17	13
7	7	14	9	166	.02273 97260	166	10	9	16	12
8	8	15	10	167	.02287 67123	167	9	8	15	11
9	9	16	11	168	.02301 36986	168	8	7	14	10
10	10	17	12	169	.02315 06849	169	7	6	13	9
11	11	18	13	170	.02328 76712	170	6	5	12	8
12	12	19	14	171	.02342 46575	171	5	4	11	7
13	13	20	15	172	.02356 16438	172	4	3	10	6
14	14	21	16	173	.02369 86301	173	3	2	9	5
15	15	22	17	174	.02383 56164	174	2	1	8	4
16	16	23	18	175	.02397 26027	175	1	Dec.31	7	3
17	17	24	19	176	.02410 95890	176	Sept.30	30	6	2
18	18	25	20	177	.02424 65753	177	29	29	5	1
19	19	26	21	178	.02438 35616	178	28	28	4	June30
20	20	27	22	179	.02452 05479	179	27	27	3	29
21	21	28	23	180	.02465 75342	180	26	26	2	28

TABLE XXXIV.
CONTINUED.

From				No. of Days.	At £.5 per Cent. per Annum. Decimals. Equivalent to the Interest of One Pound.	No. of Days.	To			
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.
To							From			
Sept.	Dec.	March.	June.				Sept.	Dec.	April	June.
22	22	29	24	181	.02479 45205	181	25	25	1	27
23	23	30	25	182	.02493 15068	182	24	24	Mar.31	26
24	24	31	26	183	.02506 84931	183	23	23	30	25
25	25	Apr. 1	27	184	.02520 54794	184	22	22	29	24
26	26	2	28	185	.02534 24657	185	21	21	28	23
27	27	3	29	186	.02547 94520	186	20	20	27	22
28	28	4	30	187	.02561 64383	187	19	19	26	21
29	29	5	July 1	188	.02575 34246	188	18	18	25	20
30	30	6	2	189	.02589 04109	189	17	17	24	19
Oct. 1	31	7	3	190	.02602 73972	190	16	16	23	18
2	Jan. 1	8	4	191	.02616 43835	191	15	15	22	17
3	2	9	5	192	.02630 13698	192	14	14	21	16
4	3	10	6	193	.02643 83561	193	13	13	20	15
5	4	11	7	194	.02657 53424	194	12	12	19	14
6	5	12	8	195	.02671 23287	195	11	11	18	13
7	6	13	9	196	.02684 93150	196	10	10	17	12
8	7	14	10	197	.02698 63013	197	9	9	16	11
9	8	15	11	198	.02712 32876	198	8	8	15	10
10	9	16	12	199	.02726 02739	199	7	7	14	9
11	10	17	13	200	.02739 72602	200	6	6	13	8
12	11	18	14	201	.02753 42465	201	5	5	12	7
13	12	19	15	202	.02767 12328	202	4	4	11	6
14	13	20	16	203	.02780 82191	203	3	3	10	5
15	14	21	17	204	.02794 52054	204	2	2	9	4
16	15	22	18	205	.02808 21917	205	1	1	8	3
17	16	23	19	206	.02821 91780	206	Aug.31	Nov.30	7	2
18	17	24	20	207	.02835 61643	207	30	29	6	1
19	18	25	21	208	.02849 31506	208	29	28	5	May31
20	19	26	22	209	.02863 01369	209	28	27	4	30
21	20	27	23	210	.02876 71232	210	27	26	3	29

TABLE XXXIV.
CONTINUED.

From				No. of Days.	At £.5 per Cent. per Annum. Decimals. Equivalent to the Interest of One Pound.	No. of Days.	To						
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.			
To							From						
October	January.	April.	July.				August.	Nov.	March.	May			
22	21	28	24	211	.02890 41095	211	26	25	2	28			
23	22	29	25	212	.02904 10958	212	25	24	1	27			
24	23	30	26	213	.02917 80821	213	24	23	Feb. 28	26			
25	24	May 1	27	214	.02931 50684	214	23	22	27	25			
26	25	2	28	215	.02945 20547	215	22	21	26	24			
27	26	3	29	216	.02958 90410	216	21	20	25	23			
28	27	4	30	217	.02972 60273	217	20	19	24	22			
29	28	5	31	218	.02986 30136	218	19	18	23	21			
30	29	6	Aug. 1	219	.03	219	18	17	22	20			
31	30	7	2	220	.03013 69863	220	17	16	21	19			
Nov. 1	31	8	3	221	.03027 39726	221	16	15	20	18			
2	Feb. 1	9	4	222	.03041 09589	222	15	14	19	17			
3	2	10	5	223	.03054 79452	223	14	13	18	16			
4	3	11	6	224	.03068 49315	224	13	12	17	15			
5	4	12	7	225	.03082 19178	225	12	11	16	14			
6	5	13	8	226	.03095 89041	226	11	10	15	13			
7	6	14	9	227	.03109 58904	227	10	9	14	12			
8	7	15	10	228	.03123 28767	228	9	8	13	11			
9	8	16	11	229	.03136 98630	229	8	7	12	10			
10	9	17	12	230	.03150 68493	230	7	6	11	9			
11	10	18	13	231	.03164 38356	231	6	5	10	8			
12	11	19	14	232	.03178 08219	232	5	4	9	7			
13	12	20	15	233	.03191 78082	233	4	3	8	6			
14	13	21	16	234	.03205 47945	234	3	2	7	5			
15	14	22	17	235	.03219 17808	235	2	1	6	4			
16	15	23	18	236	.03232 87671	236	1	Oct. 31	5	3			
17	16	24	19	237	.03246 57534	237	July 31	30	4	2			
18	17	25	20	238	.03260 27397	238	30	29	3	1			
19	18	26	21	239	.03273 97260	239	29	28	2	Apr. 30			
20	19	27	22	240	.03287 67123	240	28	27	1	29			

TABLE XXXIV.
CONTINUED.

From				No. of Days.	At £.5 per Cent. per Annum. Decimals. Equivalent to the Interest of One Pound.	No. of Days.	To			
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.
To							From			
Nov.	Feb.	May	August				July	October	January	April
21	20	28	23	241	.03301 36986	241	27	26	31	28
22	21	29	24	242	.03315 06849	242	26	25	30	27
23	22	30	25	243	.03328 76712	243	25	24	29	26
24	23	31	26	244	.03342 46575	244	24	23	28	25
25	24	June 1	27	245	.03356 16438	245	23	22	27	24
26	25	2	28	246	.03369 86301	246	22	21	26	23
27	26	3	29	247	.03383 56164	247	21	20	25	22
28	27	4	30	248	.03397 26027	248	20	19	24	21
29	28	5	31	249	.03410 95890	249	19	18	23	20
30	Mar. 1	6	Sept. 1	250	.03424 65753	250	18	17	22	19
Dec. 1	2	7	2	251	.03438 35616	251	17	16	21	18
2	3	8	3	252	.03452 05479	252	16	15	20	17
3	4	9	4	253	.03465 75342	253	15	14	19	16
4	5	10	5	254	.03479 45205	254	14	13	18	15
5	6	11	6	255	.03493 15068	255	13	12	17	14
6	7	12	7	256	.03506 84931	256	12	11	16	13
7	8	13	8	257	.03520 54794	257	11	10	15	12
8	9	14	9	258	.03534 24657	258	10	9	14	11
9	10	15	10	259	.03547 94520	259	9	8	13	10
10	11	16	11	260	.03561 64383	260	8	7	12	9
11	12	17	12	261	.03575 34246	261	7	6	11	8
12	13	18	13	262	.03589 04109	262	6	5	10	7
13	14	19	14	263	.03602 73972	263	5	4	9	6
14	15	20	15	264	.03616 43835	264	4	3	8	5
15	16	21	16	265	.03630 13698	265	3	2	7	4
16	17	22	17	266	.03643 83561	266	2	1	6	3
17	18	23	18	267	.03657 53424	267	1	Sept. 30	5	2
18	19	24	19	268	.03671 23287	268	June 30	29	4	1
19	20	25	20	269	.03684 93150	269	29	28	3	Mar. 31
20	21	26	21	270	.03698 63013	270	28	27	2	30

TABLE XXXIV.
CONTINUED.

From				No. of Days.	At £.5 per Cent. per Annum. Decimals. Equivalent to the Interest of One Pound.	No. of Days.	To			
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.
To							From			
Dec.	March	June	Sept.				June	Sept.	January	March.
21	22	27	22	271	.03712 32876	271	27	26	1	29
22	23	28	23	272	.03726 02739	272	26	25	Dec.31	28
23	24	29	24	273	.03739 72602	273	25	24	30	27
24	25	30	25	274	.03753 42465	274	24	23	29	26
25	26	July 1	26	275	.03767 12328	275	23	22	28	25
26	27	2	27	276	.03780 82191	276	22	21	27	24
27	28	3	28	277	.03794 52054	277	21	20	26	23
28	29	4	29	278	.03808 21917	278	20	19	25	22
29	30	5	30	279	.03821 91780	279	19	18	24	21
30	31	6	Oct. 1	280	.03835 61643	280	18	17	23	20
31	Apr. 1	7	2	281	.03849 31506	281	17	16	22	19
Jan. 1	2	8	3	282	.03863 01369	282	16	15	21	18
2	3	9	4	283	.03876 71232	283	15	14	20	17
3	4	10	5	284	.03890 41095	284	14	13	19	16
4	5	11	6	285	.03904 10958	285	13	12	18	15
5	6	12	7	286	.03917 80821	286	12	11	17	14
6	7	13	8	287	.03931 50684	287	11	10	16	13
7	8	14	9	288	.03945 20547	288	10	9	15	12
8	9	15	10	289	.03958 90410	289	9	8	14	11
9	10	16	11	290	.03972 60273	290	8	7	13	10
10	11	17	12	291	.03986 30136	291	7	6	12	9
11	12	18	13	292	.04	292	6	5	11	8
12	13	19	14	293	.04013 69863	293	5	4	10	7
13	14	20	15	294	.04027 39726	294	4	3	9	6
14	15	21	16	295	.04041 09589	295	3	2	8	5
15	16	22	17	296	.04054 79452	296	2	1	7	4
16	17	23	18	297	.04068 49315	297	1	Aug.31	6	3
17	18	24	19	298	.04082 19178	298	May31	30	5	2
18	19	25	20	299	.04095 89041	299	30	29	4	1
19	20	26	21	300	.04109 58904	300	29	28	3	Feb. 28

TABLE XXXIV.
CONTINUED.

From				No. of Days.	At £.5 per Cent. per Annum. Decimals. Equivalent to the Interest of One Pound.	No. of Days.	To			
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.
To							From			
January	April	July	October				May	Aug.	Dec.	Feb.
20	21	27	22	301	.04123 28767	301	28	27	2	27
21	22	28	23	302	.04136 98630	302	27	26	1	26
22	23	29	24	303	.04150 68493	303	26	25	Nov.30	25
23	24	30	25	304	.04164 38356	304	25	24	29	24
24	25	31	26	305	.04178 08219	305	24	23	28	23
25	26	Aug. 1	27	306	.04191 78082	306	23	22	27	22
26	27	2	28	307	.04205 47945	307	22	21	26	21
27	28	3	29	308	.04219 17808	308	21	20	25	20
28	29	4	30	309	.04232 87671	309	20	19	24	19
29	30	5	31	310	.04246 57534	310	19	18	23	18
30	May 1	6	Nov. 1	311	.04260 27397	311	18	17	22	17
31	2	7	2	312	.04273 97260	312	17	16	21	16
Feb. 1	3	8	3	313	.04287 67123	313	16	15	20	15
2	4	9	4	314	.04301 36986	314	15	14	19	14
3	5	10	5	315	.04315 06849	315	14	13	18	13
4	6	11	6	316	.04328 76712	316	13	12	17	12
5	7	12	7	317	.04342 46575	317	12	11	16	11
6	8	13	8	318	.04356 16438	318	11	10	15	10
7	9	14	9	319	.04369 86301	319	10	9	14	9
8	10	15	10	320	.04383 56164	320	9	8	13	8
9	11	16	11	321	.04397 26027	321	8	7	12	7
10	12	17	12	322	.04410 95890	322	7	6	11	6
11	13	18	13	323	.04424 65753	323	6	5	10	5
12	14	19	14	324	.04438 35616	324	5	4	9	4
13	15	20	15	325	.04452 05479	325	4	3	8	3
14	16	21	16	326	.04465 75342	326	3	2	7	2
15	17	22	17	327	.04479 45205	327	2	1	6	1
16	18	23	18	328	.04493 15068	328	1	July 31	5	Jan. 31
17	19	24	19	329	.04506 84931	329	Apr. 30	30	4	30
18	20	25	20	330	.04520 54794	330	29	29	3	29

TABLE XXXIV.
CONTINUED.

From				No. of Days.	At £.5 per Cent. per Annum. Decimals. Equivalent to the Interest of One Pound.	No. of Days.	To			
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.
To							From			
Feb.	May	August	Nov.				April	July	Nov.	January
19	21	26	21	331	.04534 24657	331	28	28	2	28
20	22	27	22	332	.04547 94520	332	27	27	1	27
21	23	28	23	333	.04561 64383	333	26	26	Oct. 31	26
22	24	29	24	334	.04575 34246	334	25	25	30	25
23	25	30	25	335	.04589 04109	335	24	24	29	24
24	26	31	26	336	.04602 73972	336	23	23	28	23
25	27	Sept. 1	27	337	.04616 43835	337	22	22	27	22
26	28	2	28	338	.04630 13698	338	21	21	26	21
27	29	3	29	339	.04643 83561	339	20	20	25	20
28	30	4	30	340	.04657 53424	340	19	19	24	19
Mar. 1	31	5	Dec. 1	341	.04671 23287	341	18	18	23	18
2	June 1	6	2	342	.04684 93150	342	17	17	22	17
3	2	7	3	343	.04698 63013	343	16	16	21	16
4	3	8	4	344	.04712 32876	344	15	15	20	15
5	4	9	5	345	.04726 02739	345	14	14	19	14
6	5	10	6	346	.04739 72602	346	13	13	18	13
7	6	11	7	347	.04753 42465	347	12	12	17	12
8	7	12	8	348	.04767 12328	348	11	11	16	11
9	8	13	9	349	.04780 82191	349	10	10	15	10
10	9	14	10	350	.04794 5205	350	9	9	14	9
11	10	15	11	351	.04808 21917	351	8	8	13	8
12	11	16	12	352	.04821 91780	352	7	7	12	7
13	12	17	13	353	.04835 61643	353	6	6	11	6
14	13	18	14	354	.04849 31506	354	5	5	10	5
15	14	19	15	355	.04863 01369	355	4	4	9	4
16	15	20	16	356	.04876 71232	356	3	3	8	3
17	16	21	17	357	.04890 41095	357	2	2	7	2
18	17	22	18	358	.04904 10958	358	1	1	6	1
19	18	23	19	359	.04917 80821	359	Mar. 31	June 30	5	Dec. 31
20	19	24	20	360	.04931 50684	360	30	29	4	30

TABLE XXXIV.
CONTINUED.

From				No. of Days.	At £.5 per Cent. per Annum. Decimals. Equivalent to the Interest of One Pound.	No. of Days.	To			
Lady D.	Midf.	Mich.	Xms.				Lady D.	Midf.	Mich.	Xms.
To							From			
March.	June.	Sept.	Dec.				March	June	October	Dec.
21	20	25	21	361	. 04945 20547	361	29	28	3	29
22	21	26	22	362	. 04958 90410	362	28	27	2	28
23	22	27	23	363	. 04972 60273	363	27	26	1	27
24	23	28	24	364	. 04986 30136	364	26	25	Sept.30	26
25	24	29	25	365	. 05	365	25	24	29	25

CONCLUDED.

For	At £.5 per Cent. per Annum.		For	At £.5 per Cent. per Annum.	
	Months.	Decimals.		Months.	Days.
	1	.00416		1	3
	2	.0083		2	3
	3	.0125		3	3
	4	.016		4	3
	5	.02083		5	3
	6	.025		6	3
	7	.02916		7	3
	8	.03		8	3
	9	.0375		9	3
	10	.0416		10	3
	11	.04583		11	3
	12	.05		12	3

T A B L E S,

CONSTRUCTED FOR

THE UNIFORM VALUATION

OF

LEASES, INSURANCES, UTENSILS IN TRADE, &c.

TABLE 2

THE ECONOMIC SITUATION

THE ECONOMIC SITUATION IN 1940

T A B L E XXXV.

To find the Value of Leases, Insurances, Utenfils, &c. for any Number of Years, from One to One Hundred.

100 Years.					
Years.	Value.	Years.	Value.	Years.	Value.
	£.		£.		£.
100	1. 00000 000	66	. 96852 920	32	. 79982 316
99	. 99963 4645	65	. 96657 0635	31	. 78932 385
98	. 99925 079	64	. 96451 2919	30	. 77829 3019
97	. 99884 751	63	. 96235 103	29	. 76670 3748
96	. 99842 381	62	. 96007 9697	28	. 75452 777
95	. 99797 866	61	. 95769 3376	27	. 74173 538
94	. 99751 0976	60	. 95518 6249	26	. 72829 538
93	. 99701 961	59	. 95255 2198	25	. 71417 498
92	. 99650 3377	58	. 94978 4798	24	. 69933 9735
91	. 99596 1006	57	. 94687 7298	23	. 68375 345
90	. 99539 1177	56	. 94382 2607	22	. 66737 8118
89	. 99479 250	55	. 94061 327	21	. 65017 378
88	. 99416 3516	54	. 93724 146	20	. 63209 847
87	. 99350 2689	53	. 93369 8957	19	. 61310 810
86	. 99280 8407	52	. 92997 711	18	. 59315 6346
85	. 99207 8978	51	. 92606 6849	17	. 57219 4531
84	. 99131 262	50	. 92195 8628	16	. 55017 1525
83	. 99050 7468	49	. 91764 2428	15	. 52703 360
82	. 98966 155	48	. 91310 772	14	. 50272 4325
81	. 98877 2815	47	. 90834 3445	13	. 47718 4389
80	. 98783 908	46	. 90333 7977	12	. 45035 149
79	. 98685 808	45	. 89807 9107	11	. 42216 018
78	. 98582 7418	44	. 89255 4007	10	. 39254 1687
77	. 98474 4576	43	. 88674 9199	9	. 36142 3755
76	. 98360 6915	42	. 88065 052	8	. 32873 0478
75	. 98241 166	41	. 87424 310	7	. 29438 210
74	. 98115 5896	40	. 86751 130	6	. 25829 484
73	. 97983 6558	39	. 86043 8707	5	. 22038 066
72	. 97845 0429	38	. 85300 8061	4	. 18054 708
71	. 97699 4127	37	. 84520 124	3	. 13869 692
70	. 97546 410	36	. 83699 9198	2	. 09472 8098
69	. 97385 6615	35	. 82838 1927	1	. 04853 335
68	. 97216 775	34	. 81932 8407		
67	. 97039 3389	33	. 80981 655		

TABLE XXXV.
CONTINUED.

90 Years.					
Years.	Value. £.	Years.	Value. £.	Years.	Value. £.
90	1. 00000 000	60	. 95960 8916	30	. 78189 664
89	. 99939 855	59	. 95696 2669	29	. 77025 371
88	. 99876 665	58	. 95418 2456	28	. 75802 1358
87	. 99810 2767	57	. 95126 149	27	. 74516 974
86	. 99740 527	56	. 94819 2659	26	. 73166 751
85	. 99667 2465	55	. 94496 846	25	. 71748 1729
84	. 99590 256	54	. 94158 104	24	. 70257 779
83	. 99509 3678	53	. 93802 2135	23	. 68691 9346
82	. 99424 3847	52	. 93428 3058	22	. 67046 8189
81	. 99335 099	51	. 93035 4689	21	. 65318 419
80	. 99241 2939	50	. 92622 7446	20	. 63502 519
79	. 99142 7396	49	. 92189 126	19	. 61594 6896
78	. 99039 1959	48	. 91733 5559	18	. 59590 2759
77	. 98930 410	47	. 91254 922	17	. 57484 3888
76	. 98816 1175	46	. 90752 0579	16	. 55271 891
75	. 98696 0386	45	. 90223 736	15	. 52947 3857
74	. 98569 8807	44	. 89668 6678	14	. 50505 202
73	. 98437 336	43	. 89085 499	13	. 47939 383
72	. 98298 081	42	. 88472 8078	12	. 45243 6697
71	. 98151 7769	41	. 87829 0988	11	. 42411 4856
70	. 97998 0658	40	. 87152 802	10	. 39435 922
69	. 97836 573	39	. 86442 2679	9	. 36309 721
68	. 97666 9046	38	. 85695 7628	8	. 33025 2557
67	. 97488 6468	37	. 84911 466	7	. 29574 514
66	. 97301 3647	36	. 84087 464	6	. 25949 079
65	. 97104 6015	35	. 83221 747	5	. 22140 1067
64	. 96897 877	34	. 82312 203	4	. 18138 3047
63	. 96680 687	33	. 81356 6136	3	. 13933 9116
62	. 96452 502	32	. 80352 647	2	. 09516 671
61	. 96212 765	31	. 79297 855	1	. 04875 8076

TABLE XXXV.
CONTINUED.

80 Years.				70 Years.			
Years.	Value. £.	Years.	Value. £.	Years.	Value. £.	Years.	Value. £.
80	1. 00000 000	40	. 87819 0908	70	1. 00000 000	35	. 84921 826
79	. 99900 692	39	. 87103 1245	69	. 99835 208	34	. 83993 7019
78	. 99796 3569	38	. 86350 912	68	. 99662 0738	33	. 83018 591
77	. 99686 7397	37	. 85560 6195	67	. 99480 1745	32	. 81994 1157
76	. 99571 573	36	. 84730 318	66	. 99289 0665	31	. 80917 776
75	. 99450 576	35	. 83857 9826	65	. 99088 2837	30	. 79786 9466
74	. 99323 4538	34	. 82941 485	64	. 98877 336	29	. 78598 869
73	. 99189 8958	33	. 81978 590	63	. 98655 7096	28	. 77350 6449
72	. 99049 5765	32	. 80966 948	62	. 98422 863	27	. 76039 2295
71	. 98902 1535	31	. 79904 092	61	. 98178 2288	26	. 74661 4237
70	. 98747 267	30	. 78787 429	60	. 97921 2098	25	. 73213 8665
69	. 98584 5398	29	. 77614 235	59	. 97651 179	24	. 71693 0267
68	. 98413 574	28	. 76381 6479	58	. 97367 4785	23	. 70095 194
67	. 98233 9538	27	. 75086 661	57	. 97069 415	22	. 68416 4718
66	. 98045 2399	26	. 73726 1155	56	. 96756 2626	21	. 66652 7639
65	. 97846 9723	25	. 72296 692	55	. 96427 2566	20	. 64799 768
64	. 97638 6675	24	. 70794 9045	54	. 96081 5947	19	. 62852 9648
63	. 97419 817	23	. 69217 0887	53	. 95718 4336	18	. 60807 604
62	. 97189 8877	22	. 67559 396	52	. 95336 8875	17	. 58658 6975
61	. 96948 318	21	. 65817 7827	51	. 94936 0257	16	. 56401 002
60	. 96694 5188	20	. 63988 000	50	. 94514 870	15	. 54029 011
59	. 96427 871	19	. 62065 5848	49	. 94072 3937	14	. 51536 938
58	. 96147 724	18	. 60045 847	48	. 93607 5168	13	. 48918 7038
57	. 95853 3949	17	. 57923 8605	47	. 93119 1056	12	. 46167 921
56	. 95544 165	16	. 55694 448	46	. 92605 9685	11	. 43277 8806
55	. 95219 2808	15	. 53352 1718	45	. 92066 8539	10	. 40241 5315
54	. 94877 949	14	. 50891 3177	44	. 91500 4465	9	. 37051 467
53	. 94519 337	13	. 48305 8828	43	. 90905 3649	8	. 33699 906
52	. 94142 571	12	. 45589 560	42	. 90280 157	7	. 30178 672
51	. 93746 731	11	. 42735 724	41	. 89623 298	6	. 26479 175
50	. 93330 851	10	. 39737 412	40	. 88933 186	5	. 22592 3919
49	. 92893 918	9	. 36587 311	39	. 88208 1368	4	. 18508 840
48	. 92434 8648	8	. 33277 7358	38	. 87446 3819	3	. 14218 558
47	. 91952 572	7	. 29800 613	37	. 86646 063	2	. 09711 0809
46	. 91445 863	6	. 26147 4616	36	. 85805 228	1	. 04975 4126
45	. 90913 502	5	. 22309 369				
44	. 90354 1905	4	. 18276 973				
43	. 89766 5635	3	. 14040 437				
42	. 89149 188	2	. 09589 426				
41	. 88500 5579	1	. 04913 083				

TABLE XXXV.
CONTINUED.

61 Years.				60 Years.			
Years.	Value. £.	Years.	Value. £.	Years.	Value. £.	Years.	Value. £.
61	1. 00000 000	30	. 81267 453	60	1. 00000 000	30	. 81480 760
60	. 99738 2118	29	. 80057 330	59	. 99724 2369	29	. 80267 4608
59	. 99463 1706	28	. 78785 944	58	. 99434 513	28	. 78992 7379
58	. 99174 2055	27	. 77450 1946	57	. 99130 122	27	. 77653 482
57	. 98870 6115	26	. 76046 8226	56	. 98810 3218	26	. 76246 4267
56	. 98551 648	25	. 74572 4048	55	. 98474 331	25	. 74768 1389
55	. 98216 537	24	. 73023 3447	54	. 98121 331	24	. 73215 0129
54	. 97864 461	23	. 71395 863	53	. 97750 4605	23	. 71583 2598
53	. 97494 561	22	. 69685 9908	52	. 97360 8145	22	. 69868 899
52	. 97105 935	21	. 67889 556	51	. 96951 4426	21	. 68067 749
51	. 96697 635	20	. 66002 1766	50	. 96521 346	20	. 66175 416
50	. 96268 6649	19	. 64019 2486	49	. 96069 476	19	. 64187 283
49	. 95817 9779	18	. 61935 935	48	. 95594 7306	18	. 62098 501
48	. 95344 4749	17	. 59747 1535	47	. 95095 9508	17	. 59903 975
47	. 94847 0008	16	. 57447 565	46	. 94571 920	16	. 57598 3507
46	. 94324 342	15	. 55031 5599	45	. 94021 3606	15	. 55176 004
45	. 93775 2238	14	. 52493 244	44	. 93442 9289	14	. 52631 026
44	. 93198 306	13	. 49826 4268	43	. 92835 214	13	. 49957 2088
43	. 92592 1825	12	. 47024 6015	42	. 92196 7337	12	. 47148 029
42	. 91955 3736	11	. 44080 9338	41	. 91525 930	11	. 44196 635
41	. 91286 326	10	. 40988 243	40	. 90821 167	10	. 41095 827
40	. 90583 408	9	. 37738 9846	39	. 90080 7259	9	. 37838 040
39	. 89844 905	8	. 34325 2326	38	. 89302 7996	8	. 34415 3278
38	. 89069 015	7	. 30738 659	37	. 88485 4907	7	. 30819 3407
37	. 88253 846	6	. 26970 5158	36	. 87626 8056	6	. 27041 3067
36	. 87397 409	5	. 23011 610	35	. 86724 6496	5	. 23072 0098
35	. 86497 6147	4	. 18852 2847	34	. 85776 8219	4	. 18901 767
34	. 85552 268	3	. 14482 393	33	. 84781 010	3	. 14520 406
33	. 84559 0638	2	. 09891 2765	32	. 83734 786	2	. 09917 2386
32	. 83515 578	1	. 05067 734	31	. 82635 596	1	. 05081 0357
31	. 82419 266						

TABLE XXXV.
CONTINUED.

50 Years.		50 Years.		40 Years.		31 Years.	
Years.	Value.	Years.	Value.	Years.	Value.	Years.	Value.
	£.		£.		£.		£.
50	1. 00000 000	16	. 59674 2099	25	. 82324 5737	24	. 88599 848
49	. 99531 8445	15	. 57164 561	24	. 80614 481	23	. 86625 211
48	. 99039 9887	14	. 54527 8618	23	. 78817 815	22	. 84550 608
47	. 98523 2327	13	. 51757 679	22	. 76930 193	21	. 82370 978
46	. 97980 316	12	. 48847 2565	21	. 74947 0098	20	. 80081 0048
45	. 97409 914	11	. 45789 493	20	. 72863 428	19	. 77675 101
44	. 96810 6355	10	. 42576 931	19	. 70674 365	18	. 75147 399
43	. 96181 0185	9	. 39201 7328	18	. 68374 4805	17	. 72491 7318
42	. 95519 527	8	. 35655 665	17	. 65958 1645	16	. 69701 6215
41	. 94824 5478	7	. 31930 0777	16	. 63419 522	15	. 66770 2618
40	. 94094 385	6	. 28015 8825	15	. 60752 3616	14	. 63690 502
39	. 93327 2579	5	. 23903 531	14	. 57950 1758	13	. 60454 829
38	. 92521 2949	4	. 19582 9919	13	. 55006 129	12	. 57055 3508
37	. 91674 530	3	. 15043 7255	12	. 51913 0405	11	. 53483 7736
36	. 90784 8977	2	. 10274 6586	11	. 48663 364	10	. 49731 385
35	. 89850 2277	1	. 05264 1578	10	. 45249 1727	9	. 45789 032
34	. 88868 240			9	. 41662 138	8	. 41647 098
33	. 87836 539	40 Years.		8	. 37893 5096	7	. 37295 478
32	. 86752 6087			7	. 33934 094	6	. 32723 557
31	. 85613 804	40	1. 00000 000	6	. 29774 2337	5	. 27920 183
30	. 84417 3475	39	. 99184 7258	5	. 25403 780	4	. 22873 638
29	. 83160 320	38	. 98328 178	4	. 20812 072	3	. 17571 6116
28	. 81839 656	37	. 97428 268	3	. 15987 9095	2	. 12001 170
27	. 80452 133	36	. 96482 800	2	. 10919 523	1	. 06148 725
26	. 78994 367	35	. 95489 468	1	. 05594 550		
25	. 77462 8015	34	. 94445 848	31 Years.		30 Years.	
24	. 75853 7005	33	. 93349 395			30	1. 00000 000
23	. 74163 1386	32	. 92197 434	31	1. 00000 000	29	. 98510 937
22	. 72386 992	31	. 90987 155	30	. 98602 4957	28	. 96946 4908
21	. 70520 928	30	. 89715 6056	29	. 97134 2427	27	. 95302 844
20	. 68560 3947	29	. 88379 684	28	. 95591 6594	26	. 93575 988
19	. 66500 609	28	. 86976 131	27	. 93970 9829	25	. 91761 7098
18	. 64336 547	27	. 85501 524	26	. 92268 2596	24	. 89855 5837
17	. 62062 9295	26	. 83952 2645	25	. 90479 336	23	. 87852 9600

TABLE XXXV.
CONTINUED.

30 Years.		29 Years.		28 Years.		27 Years.	
Years.	Value. £.	Years.	Value. £.	Years.	Value. £.	Years.	Value. £.
22	. 85748 953	19	. 79966 754	15	. 69849 464	10	. 52922 0657
21	. 83538 4315	18	. 77364 477	14	. 66627 6768	9	. 48726 778
20	. 81216 002	17	. 74630 4597	13	. 63242 7867	8	. 44319 104
19	. 78775 999	16	. 71758 0325	12	. 59686 5365	7	. 39688 2918
18	. 76212 4716	15	. 68740 1887	11	. 55950 251	6	. 34823 0445
17	. 73519 165	14	. 65569 5666	10	. 52024 816	5	. 29711 494
16	. 70689 510	13	. 62238 4317	9	. 47900 6565	4	. 24341 171
15	. 67716 604	12	. 58738 658	8	. 43567 711	3	. 18698 976
14	. 64593 1946	11	. 55061 7085	7	. 39015 410	2	. 12771 1446
13	. 61311 6625	10	. 51198 613	6	. 34232 649	1	. 06543 2167
12	. 57864 0027	9	. 47139 949	5	. 29207 7606		
11	. 54241 805	8	. 42875 8147	4	. 23928 487	26 Years.	
10	. 50436 234	7	. 38395 8086	3	. 18381 9506	26	1. 00000 000
9	. 46438 0056	6	. 33689 002	2	. 12554 6206	25	. 98061 171
8	. 42237 367	5	. 28743 9138	1	. 06432 282	24	. 96024 189
7	. 37824 071	4	. 23548 480			23	. 93884 0847
6	. 33187 352	3	. 18090 028	27 Years.		22	. 91635 6376
5	. 28315 899	2	. 12355 241	27	1. 00000 000	21	. 89273 363
4	. 23197 8286	1	. 06330 131	26	. 98188 033	20	. 86791 498
3	. 17820 656			25	. 96284 335	19	. 84183 9888
2	. 12171 264	28 Years.		24	. 94284 262	18	. 81444 474
1	. 06235 8716	28	1. 00000 000	23	. 92182 936	17	. 78566 272
		27	. 98304 5837	22	. 89975 230	16	. 75542 3607
29 Years.		26	. 96523 337	21	. 87655 759	15	. 72365 3638
29	1. 00000 000	25	. 94651 9147	20	. 85218 8647	14	. 69027 5315
28	. 98411 9058	24	. 92685 7516	19	. 82658 6026	13	. 65520 721
27	. 96743 414	23	. 90620 0515	18	. 79968 727	12	. 61836 379
26	. 94990 4555	22	. 88449 775	17	. 77142 677	11	. 57965 517
25	. 93148 753	21	. 86169 629	16	. 74173 558	10	. 53898 692
24	. 91213 8146	20	. 83774 050	15	. 71054 127	9	. 49625 9847
23	. 89180 9198	19	. 81257 195	14	. 67776 775	8	. 45136 971
22	. 87045 1096	18	. 78612 9245	13	. 64333 5075	7	. 40420 7016
21	. 84801 174	17	. 75834 7875	12	. 60715 924	6	. 35465 6708
20	. 82443 639	16	. 72916 007	11	. 56915 2008	5	. 30259 7915

TABLE XXXV.
CONTINUED.

26 Years.		24 Years.		23 Years.		22 Years.	
Years.	Value. £.	Years.	Value. £.	Years.	Value. £.	Years.	Value. £.
4	. 24790 3646	23	. 97771 286	14	. 73524 2098	4	. 27053 1916
3	. 19044 048	22	. 95429 7439	13	. 69788 9547	3	. 20782 3598
2	. 13006 824	21	. 92969 661	12	. 65864 602	2	. 14194 067
1	. 06663 9656	20	. 90385 036	11	. 61741 5795	1	. 07272 242
25 Years.		19	. 87669 565	10	. 57409 8287	21 Years.	
25	1. 00000 000	18	. 84816 623	9	. 52858 783	21	1. 00000 000
24	. 97922 743	17	. 81819 2507	8	. 48077 3407	20	. 97219 9267
23	. 95740 3258	16	. 78670 1366	7	. 43053 8379	19	. 94299 112
22	. 93447 423	15	. 75361 5985	6	. 37776 020	18	. 91230 4316
21	. 91038 4425	14	. 71885 5657	5	. 32231 013	17	. 88006 399
20	. 88507 507	13	. 68233 5587	4	. 26405 2897	16	. 84619 1497
19	. 85848 443	12	. 64396 6689	3	. 20284 639	15	. 81060 421
18	. 83054 764	11	. 60365 5365	2	. 13854 131	14	. 77321 5315
17	. 80119 655	10	. 56130 328	1	. 07098 078	13	. 73393 3608
16	. 77035 956	9	. 51680 712	22 Years.		12	. 69266 3265
15	. 73796 1447	8	. 47005 8345	22	1. 00000 000	11	. 64930 361
14	. 70392 318	7	. 42094 291	21	. 97422 100	10	. 60374 887
13	. 66816 1726	6	. 36934 1008	20	. 94713 6947	9	. 55588 7928
12	. 63058 9848	5	. 31512 676	19	. 91868 176	8	. 50560 402
11	. 59111 589	4	. 25816 791	18	. 88878 6027	7	. 45277 449
10	. 54964 357	3	. 19832 5527	17	. 85737 682	6	. 39727 047
9	. 50607 171	2	. 13545 362	16	. 82437 753	5	. 33895 6555
8	. 46029 4027	1	. 06939 882	15	. 78970 7647	4	. 27769 0498
7	. 41219 8847	23 Years.		14	. 75328 260	3	. 21332 2847
6	. 36166 8848	23	1. 00000 000	13	. 71501 3537	2	. 14569 658
5	. 30858 0768	22	. 97605 0817	12	. 67480 710	1	. 07464 674
4	. 25280 510	21	. 95088 9207	11	. 63256 5215	20 Years.	
3	. 19420 5797	20	. 92445 379	10	. 58818 483	20	1. 00000 000
2	. 13263 990	19	. 89668 008	9	. 54155 7695	19	. 96995 6628
1	. 06795 723	18	. 86750 0328	8	. 49257 0058	18	. 93839 231
24 Years.		17	. 83684 335	7	. 44110 242	17	. 90523 0048
24	1. 00000 000	16	. 80463 436	6	. 38702 9235	16	. 87038 8947
		15	. 77079 479	5	. 33021 8595		

TABLE XXXV.
CONTINUED.

20 Years.		19 Years.		17 Years.		15 Years.	
Years.	Value. £.	Years.	Value. £.	Years.	Value. £.	Years.	Value. £.
15	. 83378 4016	2	. 15450 472	7	. 51447 9058	8	. 62373 7227
14	. 79532 596	1	. 07915 9537	6	. 45141 089	7	. 55856 420
13	. 75492 096	18 Years.		5	. 38514 9896	6	. 49009 179
12	. 71247 0465	18	1. 00000 000	4	. 31553 444	5	. 41815 2966
11	. 66787 091	17	. 96466 0557	3	. 24239 470	4	. 34257 2237
10	. 62101 350	16	. 92753 2055	2	. 16555 226	3	. 26316 523
9	. 57178 394	15	. 88852 392	1	. 08481 967	2	. 17973 825
8	. 52006 213	14	. 84754 100	16 Years.		1	. 09208 7778
7	. 46572 190	13	. 80448 332	16	1. 00000 000	14 Years.	
6	. 40863 070	12	. 75924 5848	15	. 95794 4167	14	1. 00000 000
5	. 34864 926	11	. 71171 8227	14	. 91375 9258	13	. 94919 6936
4	. 28563 1256	10	. 66178 452	13	. 86733 7489	12	. 89582 1967
3	. 21942 2966	9	. 60932 2917	12	. 81856 5616	11	. 83974 489
2	. 14986 288	8	. 55420 5447	11	. 76732 4668	10	. 78082 891
1	. 07678 1318	7	. 49629 7655	10	. 71348 9647	9	. 71893 031
19 Years.		6	. 43545 828	9	. 65692 9228	8	. 65389 8095
19	1. 00000 000	5	. 37153 891	8	. 59750 5438	7	. 58557 362
18	. 96745 801	4	. 30438 3628	7	. 53507 332	6	. 51379 022
17	. 93326 858	3	. 23382 8606	6	. 46948 057	5	. 43837 279
16	. 89734 8317	2	. 15970 1736	5	. 40056 7195	4	. 35913 7348
15	. 85960 9586	1	. 08182 219	4	. 32816 5077	3	. 27589 061
14	. 81996 033	17 Years.		3	. 25209 760	2	. 18842 951
13	. 77830 3835	17	1. 00000 000	2	. 17217 921	1	. 09654 069
12	. 73453 8478	16	. 96151 133	1	. 08821 495	13 Years.	
11	. 68855 750	15	. 92107 417	15 Years.		13	1. 00000 000
10	. 64024 873	14	. 87858 988	15	1. 00000 000	12	. 94376 8287
9	. 58949 4337	13	. 83395 482	14	. 95387 5277	11	. 88468 9845
8	. 53617 050	12	. 78706 011	13	. 90541 549	10	. 82262 0556
7	. 48014 714	11	. 73779 136	12	. 85450 2427	9	. 75740 901
6	. 42128 760	10	. 68602 838	11	. 80101 189	8	. 68889 613
5	. 35944 8298	9	. 63164 4896	10	. 74481 3395	7	. 61691 478
4	. 29447 838	8	. 57450 8248	9	. 68576 985	6	. 54128 938
3	. 22621 9358						

TABLE XXXV.
CONTINUED.

13 Years.		10 Years.		7 Years.		3 Years.	
Years.	Value. £.	Years.	Value. £.	Years.	Value. £.	Years.	Value. £.
5	. 46183 5445	10	1. 00000 000	7	1. 00000 000	3	1. 00000 000
4	. 37835 915	9	. 92072 706	6	. 87741 3537	2	. 68298 6308
3	. 29065 687	8	. 83744 0936	5	. 74862 113	1	. 34992 380
2	. 19851 466	7	. 74993 8448	4	. 61330 8616	2 Years.	
1	. 10170 7757	6	. 65800 6146	3	. 47114 590	2 Years.	
12 Years.		5	. 56141 977	2	. 32178 620	2	1. 00000 000
12	1. 00000 000	4	. 45994 371	1	. 16486 516	1	. 51234 3797
11	. 93740 1538	3	. 35333 0426	6 Years.		1 Year.	
10	. 87163 403	2	. 24131 984	6	1. 00000 000	1 Year.	
9	. 80253 704	1	. 12363 8725	5	. 85321 3567	1 Year.	
8	. 72994 2018	9 Years.		4	. 69899 607	1 Year.	
7	. 65367 187	9	1. 00000 000	3	. 53697 1316	1 Year.	
6	. 57354 0549	8	. 90954 3086	2	. 36674 4057	1 Year.	
5	. 48935 2578	7	. 81450 679	1	. 18789 904	1 Year.	
4	. 40090 259	6	. 71465 9285	5 Years.		1 Year.	
3	. 30797 482	5	. 60975 700	5	1. 00000 000	1 Year.	
2	. 21034 2588	4	. 49954 403	4	. 81925 100	1 Year.	
1	. 10776 772	3	. 38375 1537	3	. 62935 159	1 Year.	
11 Years.		2	. 26209 7046	2	. 42983 852	1 Year.	
11	1. 00000 000	1	. 13428 3796	1	. 22022 510	1 Year.	
10	. 92984 062	8 Years.		4 Years.		1 Year.	
9	. 85612 9426	8	1. 00000 000	4	1. 00000 000	1 Year.	
8	. 77868 660	7	. 89551 2048	3	. 76820 362	1 Year.	
7	. 69732 323	6	. 78573 439	2	. 52467 2557	1 Year.	
6	. 61184 084	5	. 67039 9245	1	. 26881 273	1 Year.	
5	. 52203 091	4	. 54922 5255	4 Years.		1 Year.	
4	. 42767 4347	3	. 42191 683	4 Years.		1 Year.	
3	. 32854 098	2	. 28816 342	4 Years.		1 Year.	
2	. 22438 899	1	. 14763 874	4 Years.		1 Year.	
1	. 11496 431	8 Years.		4 Years.		1 Year.	

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TABLE XXXV.
SUPPLEMENT.

Between 100 and 90 Years.				Between 90 and 80 Years.			
99 Years.		96 Years.		89 Years.		86 Years.	
Years.	Value. £.	Years.	Value. £.	Years.	Value. £.	Years.	Value. £.
99	1. 00000 000	93	. 99859 3586	89	1. 00000 000	83	. 99768 239
98	. 99961 6008	92	. 99807 6535	88	. 99936 772	82	. 99683 035
97	. 99921 2577	91	. 99753 3307	87	. 99870 3436	81	. 99593 5175
96	. 99878 872	90	. 99696 2578	86	. 99800 552	80	. 99499 468
95	. 99834 341	95 Years.		85	. 99727 227	85 Years.	
94	. 99787 5555	95	1. 00000 000	84	. 99650 1905	85	1. 00000 000
93	. 99738 4013	94	. 99953 1367	83	. 99569 2536	84	. 99922 752
92	. 99686 7588	93	. 99903 901	82	. 99484 219	83	. 99841 594
91	. 99632 5018	92	. 99852 1728	81	. 99394 880	82	. 99756 327
90	. 99575 498	91	. 99797 8258	80	. 99301 018	81	. 99666 744
98 Years.		90	. 99740 7275	88 Years.		80	. 99572 625
98	1. 00000 000	94 Years.		88	1. 00000 000	84 Years.	
97	. 99959 641	94	1. 00000 000	87	. 99933 529	84	1. 00000 000
96	. 99917 2396	93	. 99950 741	86	. 99863 6936	83	. 99918 779
95	. 99872 6913	92	. 99898 9887	85	. 99790 322	82	. 99833 446
94	. 99825 8877	91	. 99844 616	84	. 99713 237	81	. 99743 7935
93	. 99776 7147	90	. 99787 491	83	. 99632 2488	80	. 99649 602
92	. 99725 052	93 Years.		82	. 99547 1608	83 Years.	
91	. 99670 7745	93	1. 00000 000	81	. 99457 765	83	1. 00000 000
90	. 99613 749	92	. 99948 222	80	. 99363 844	82	. 99914 5978
97 Years.		91	. 99893 8227	87 Years.		81	. 99824 872
97	1. 00000 000	90	. 99836 6694	87	1. 00000 000	80	. 99730 604
96	. 99957 581	92 Years.		86	. 99930 1178	82 Years.	
95	. 99913 0148	92	1. 00000 000	85	. 99856 6978	82	1. 00000 000
94	. 99866 192	91	. 99945 5725	84	. 99779 561	81	. 99910 1977
93	. 99816 9994	90	. 99888 3897	83	. 99698 519	80	. 99815 849
92	. 99765 316	91 Years.		82	. 99613 3745	81 Years.	
91	. 99711 0165	91	1. 00000 000	81	. 99523 919	81	1. 00000 000
90	. 99653 9678	90	. 99942 786	80	. 99429 9356	80	. 99905 5666
96 Years.		90 Years.		86 Years.		80 Years.	
96	1. 00000 000	90	1. 00000 000	86	1. 00000 000	80	1. 00000 000
95	. 99955 4147			85	. 99926 5287		
94	. 99908 572			84	. 99849 338		

TABLE XXXV.
SUPPLEMENT CONTINUED.

Between 80 and 70 Years.				Between 70 and 60 Years.			
79 Years.		76 Years.		69 Years.		66 Years.	
Years.	Value. £.	Years.	Value. £.	Years.	Value. £.	Years.	Value. £.
79	1. 00000 000	73	. 99616 6805	69	1. 00000 000	63	. 99362 108
78	. 99895 561	72	. 99475 757	68	. 99826 5798	62	. 99127 594
77	. 99785 8348	71	. 99327 700	67	. 99644 380	61	. 98881 208
76	. 99670 5537	70	. 99172 147	66	. 99452 9568	60	. 98622 349
75	. 99549 4365	75 Years.		65	. 99251 8426	65 Years.	
74	. 99422 1878	75	1. 00000 000	64	. 99040 547	65	1. 00000 000
73	. 99288 497	74	. 99872 175	63	. 98818 5545	64	. 99787 1116
72	. 99148 038	73	. 99737 8795	62	. 98585 3237	63	. 99563 4457
71	. 99000 4687	72	. 99596 785	61	. 98340 2855	62	. 99328 4568
70	. 98845 4284	71	. 99448 5475	60	. 98082 842	61	. 99081 5716
78 Years.		70	. 99292 8055	68 Years.		60	. 98822 1878
78	1. 00000 000	74 Years.		68	1. 00000 000	64 Years.	
77	. 99890 159	74	1. 00000 000	67	. 99817 484	64	1. 00000 000
76	. 99774 757	73	. 99865 532	66	. 99625 728	63	. 99775 857
75	. 99653 5136	72	. 99724 257	65	. 99424 264	62	. 99540 3667
74	. 99526 1318	71	. 99575 830	64	. 99212 6016	61	. 99292 9547
73	. 99392 301	70	. 99419 8887	63	. 98990 2235	60	. 99033 0175
72	. 99251 6957	73 Years.		62	. 98756 5875	63 Years.	
71	. 99103 972	73	1. 00000 000	61	. 98511 1237	63	1. 00000 000
70	. 98948 7695	72	. 99858 5346	60	. 98253 233	62	. 99763 9807
77 Years.		71	. 99709 9076	67 Years.		61	. 99516 013
77	1. 00000 000	70	. 99553 756	67	1. 00000 000	60	. 99255 4918
76	. 99884 4715	72 Years.		66	. 99807 893	62 Years.	
75	. 99763 094	72	1. 00000 000	65	. 99606 061	62	1. 00000 000
74	. 99635 5725	71	. 99851 162	64	. 99394 0117	61	. 99751 4456
73	. 99501 5948	70	. 99694 790	63	. 99171 227	60	. 99490 308
72	. 99360 8345	71 Years.		62	. 98937 1637	61 Years.	
71	. 99212 948	71	1. 00000 000	61	. 98691 251	61	1. 00000 000
70	. 99057 575	70	. 99843 394	60	. 98432 889	60	. 99738 2118
76 Years.		70 Years.		66 Years.		60 Years.	
76	1. 00000 000	70	1. 00000 000	66	1. 00000 000	60	1. 00000 000
75	. 99878 482			65	. 99797 7795		
74	. 99750 813			64	. 99585 3216		

TABLE XXXV.
SUPPLEMENT CONTINUED.

Between 60 and 50 Years.				Between 50 and 40 Years.			
59 Years.		56 Years.		49 Years.		46 Years.	
Years.	Value. £.	Years.	Value. £.	Years.	Value. £.	Years.	Value. £.
59	1. 00000 000	53	. 98927 378	49	1. 00000 000	43	. 98163 613
58	. 99709 475	52	. 98533 0406	48	. 99505 8307	42	. 97488 4865
57	. 99404 2426	51	. 98118 740	47	. 98986 644	41	. 96779 181
56	. 99083 5577	50	. 97683 465	46	. 98441 1737	40	. 96033 9678
55	. 98746 638	55 Years.		45	. 97868 0888	45 Years.	
54	. 98392 6618	55	1. 00000 000	44	. 97265 9915	45	1. 00000 000
53	. 98020 7656	54	. 99641 5308	43	. 96633 413	44	. 99384 787
52	. 97630 042	53	. 99264 914	42	. 95968 810	43	. 98738 4287
51	. 97219 5382	52	. 98869 231	41	. 95270 562	42	. 98059 348
50	. 96788 2526	51	. 98453 517	40	. 94536 965	41	. 97345 890
58 Years.		50	. 98016 757	48 Years.		40	. 96596 3126
58	1. 00000 000	54 Years.		48	1. 00000 000	44 Years.	
57	. 99693 878	54	1. 00000 000	47	. 99478 235	44	1. 00000 000
56	. 99372 2587	53	. 99622 028	46	. 98930 0556	43	. 99349 6406
55	. 99034 357	52	. 99224 922	45	. 98354 1247	42	. 98666 3569
54	. 98679 3498	51	. 98807 712	44	. 97749 037	41	. 97948 4818
53	. 98306 370	50	. 98369 381	43	. 97113 317	40	. 97194 264
52	. 97914 508	53 Years.		42	. 96445 414	43 Years.	
51	. 97502 808	53	1. 00000 000	41	. 95743 698	43	1. 00000 000
50	. 97070 2658	52	. 99601 387	40	. 95006 4578	42	. 99312 243
57 Years.		51	. 99182 594	47 Years.		41	. 98589 669
57	1. 00000 000	50	. 98742 600	47	1. 00000 000	40	. 97830 514
56	. 99677 393	52 Years.		46	. 99448 945	42 Years.	
55	. 99338 454	52	1. 00000 000	45	. 98869 9937	42	1. 00000 000
54	. 98982 3565	51	. 99579 531	44	. 98261 7326	41	. 99272 4216
53	. 98608 231	50	. 99137 776	43	. 97622 678	40	. 98508 0097
52	. 98215 166	51 Years.		42	. 96951 2718	41 Years.	
51	. 97802 202	51	1. 00000 000	41	. 96245 875	41	1. 00000 000
50	. 97368 3316	50	. 99556 3796	40	. 95504 768	40	. 99229 9855
56 Years.		50 Years.		46 Years.		40 Years.	
56	1. 00000 000	50	1. 00000 000	46	1. 00000 000	40	1. 00000 000
55	. 99659 964	50 Years.		45	. 99417 840	40 Years.	
54	. 99302 714	50	1. 00000 000	44	. 98806 2087	40	1. 00000 000

TABLE XXXV.
SUPPLEMENT CONCLUDED.

Between 40 and 30 Years.					
39 Years.		37 Years.		33 Years.	
Years.	Value. £.	Years.	Value. £.	Years.	Value. £.
39	1. 00000 000	32	. 94631 0918	33	1. 00000 000
38	. 99136 412	31	. 93388 866	32	. 98765 968
37	. 98229 1048	30	. 92083 7526	31	. 97469 464
36	. 97275 865			30	. 96107 324
35	. 96274 368	36 Years.		32 Years.	
34	. 95222 1699	36	1. 00000 000	32	1. 00000 000
33	. 94116 704	35	. 98970 4565	31	. 98687 296
32	. 92955 274	34	. 97888 792	30	. 97308 137
31	. 91735 047	33	. 96752 369	31 Years.	
30	. 90453 046	32	. 95558 414	31	1. 00000 000
38 Years.		31	. 94304 0155	30	. 98602 4957
		30	. 92986 113	30 Years.	
38	1. 00000 000	35 Years.		30	1. 00000 000
37	. 99084 789	35	1. 00000 000		
36	. 98123 2458	34	. 98907 0838		
35	. 97113 024	33	. 97758 8388		
34	. 96051 6605	32	. 96552 4639		
33	. 94936 565	31	. 95285 016		
32	. 93765 0178	30	. 93953 404		
31	. 92534 161				
30	. 91240 992				
37 Years.		34 Years.			
37	1. 00000 000	34	1. 00000 000		
36	. 99029 575	33	. 98839 067		
35	. 98010 0227	32	. 97619 3616		
34	. 96938 855	31	. 96337 9088		
33	. 95813 460	30	. 94991 582		

T A B L E XXXVI.

To find the present Value, of the Improved Rent, of a Lease, &c. that has any Number of Years unexpired, from 1 to 100.

Or, To find the present Value, of an Annuity for the same Time.

At $2\frac{1}{2}$ per Cent, Compound Interest, payable Half Yearly.

Term unexpired Years.	Present Value of £. 1	Term unexpired Years.	Present Value of £. 1	Term unexpired Years.	Present Value of £. 1
1	0.95181 43961 9	35	16.24585 52970 8	69	19.09883 97213 1
2	1.85776 50409 9	36	16.41485 33464 2	70	19.13036 49935 2
3	2.72006 19069 5	37	16.57570 81227 0	71	19.16037 12014 4
4	3.54080 84777 6	38	16.72881 20144 7	72	19.18893 15421 2
5	4.32200 68794 9	39	16.87453 85027 7	73	19.21611 56855 4
6	5.06556 27645 3	40	17.01324 30722 4	74	19.24198 99445 99
7	5.77328 99602 9	41	17.14526 40782 7	75	19.26661 74368 6
8	6.44691 48937 9	42	17.27092 35724 2	76	19.29005 82385 3
9	7.08808 08031 4	43	17.39052 80879 7	77	19.31236 95310 2
10	7.69835 17459 9	44	17.50436 93877	78	19.33360 57404 1
11	8.27921 64149 9	45	17.61272 51756 9	79	19.35381 86702 3
12	8.83209 17691 7	46	17.71585 97746 0	80	19.37305 76278 2
13	9.35832 64905 9	47	17.81402 47705 9	81	19.39136 95446 3
14	9.85920 42742 1	48	17.90745 96269 8	82	19.40879 90906 6
15	10.33594 69593 9	49	17.99639 22683 9	83	19.42538 87834 9999
16	10.78971 75104 2	50	18.08103 96367 8	84	19.44117 90919 7
17	11.22162 28534 6	51	18.16160 82206 1	85	19.45620 85348 9
18	11.63271 65767 6	52	18.23829 45585 8	86	19.47051 37750 3
19	12.02400 15007 9	53	18.31128 57190 5	87	19.48412 97085 3
20	12.39643 21244 8	54	18.38075 97563 9	88	19.49708 95500 6
21	12.75091 69537 0	55	18.44688 61452 8	89	19.50942 49138 0
22	13.08832 07173 9	56	18.50982 61942 0	90	19.52116 58905 9
23	13.40946 64769 9	57	18.56973 34388 6	91	19.53234 11213 2
24	13.71513 76342 5	58	18.62675 40167 6	92	19.54297 78668 16
25	14.00607 98422 4	59	18.68102 70236 8	93	19.55310 20743 0
26	14.28300 28242 6	60	18.73268 48530 0	94	19.56273 84407 4
27	14.54658 21051 9	61	18.78185 35186 2	95	19.57191 04730 4
28	14.79746 06593 1	62	18.82865 29624 0	96	19.58064 05454 3
29	15.03625 04788 2	63	18.87319 73467 2	97	19.58894 99540 1
30	15.26353 40666 974	64	18.91559 53329 9	98	19.59685 89687 2
31	15.47986 58576 5	65	18.95595 03466 9	99	19.60438 68827 77
32	15.68577 35706 4	66	18.99436 08296 8	100	19.61155 20597 5
33	15.88175 94961 4	67	19.03092 04803 7		
34	16.06830 17214 9	68	19.06571 84822 0		

A

VARIETY OF CONCISE RULES, &c.

M A L T.

To find the Content of any Malt Loft in Winchester Quarters.

Multiply the Length, Breadth and Depth of the Loft, taken in Feet into each other, or (in other words,) find the Number of Cube Feet, the Loft will contain, then cut off one figure from the left hand, and the remaining figures on the right, after adding one Quarter, for every Quarter $224\frac{1}{4}$ found as above, will be the Content required.

H O P S.

If the Total Amount of the Duty on them is given, the Amount of the Old Duty, and

The Amount of the Three $\text{£}5$ per Cent. Duties, may be found, by the Two following Rules.

1st. To find the Amount of the Old Duty—proceed thus,

Multiply the Total Amount of Duty by 0.85, and the Product will be the Old Duty, in Pounds Sterling, after having cut off the proper Number of Decimals.

2dly. To find the Amount of the New, or Three $\text{£}5$ per Cent. Duties.

Multiply the Total Amount of Duty by 0.15, the Product will be the New Duty, in Pounds Sterling, after having cut off the proper Number of Decimals.

E X C I S E.

To find the Amount of Excise payable on any Number of Barrels of Strong Beer.

Multiply the Number of Barrels by 0.34782 60869 56521 73913 04, and the Product, after having cut off the proper Number of Decimals, will be the Answer.

To

To find how many Barrels of Strong Beer, any given Sum will pay Duty for.

Multiply the Sum by 2.875, and the Product, after having cut off the proper Number of Decimals, will be the Answer.

CONTENTS OF BEER VESSELS AND PIPES, &c.

To find how many Barrels of Beer, &c, at 36 Gallons each, may be contained in any given Number of Cube Feet.

Divide the Cube Feet by 6. and after having added One Barrel to every 48 contained in the Quotient, the Sum will be the Number of Barrels.

To find how many Feet long, a Pipe or Cylinder must be, to contain One Beer Barrel.

Divide 1077.16 by the Square of the given Diameter, taken in Inches, and the Quotient will be the Answer.

CASK GAUGING.

A General Rule for Cask Gauging.

Add into one Sum 39 times the Square of the Bung Diameter,
25 times the Square of the Head Diameter,
26 times the Product of those Diameters,

Multiply the Sum by the Length of the Cask,

Multiply the Product by .00034,

The last Product, being divided by 9, will give the Content in Wine Gallons; or divided by 11, will give the Content in Beer Gallons.

Or,

Let B = Bung Diameter, H = Head Diameter, and L = Length of Cask.

Then $39B^2 + 25H^2 + 26BH \times \frac{L}{114}$ will be the Content of the Cask in Cube Inches.

HUTTON'S Mensuration.

VAT GAUGING.

PRELIMINARY RULES.

1st. To find the Area of a Circle.

Multiply the Square of the Diameter by .785398, &c, and the Product will be the Area.

2d. To

2d. To find the Area of an Ellipsis.

Multiply the Transverse and Conjugate Diameters into each other, and their Product by .785398, &c; the last Product will be the Area.

Then,

To find the solid Content of a Vat, whether Elliptical or Conical, the Areas of the Bases being given; observe the following

RULE.

Let A = Area of greater end,

a = Area of lesser end,

b = Perpendicular Height.

Then $\overline{A + a + \sqrt{Aa}} \times \frac{1}{3}b$ equals the Solidity; that is,

Multiply the Areas into each other, and subtract the Square Root of the Product; add this Square Root to the Areas, and the Sum being multiplied by $\frac{1}{3}$ the Perpendicular Height, will give the Solidity.

HUTTON'S Math. Dict. Art. Fruustum.

To find the Solid Content of a Vat, (being the Fruustum of a Cone.)

The Diameters and Perpendicular Height being given.

RULE.

Let D = Diameter of greater end,

d = Diameter of lesser end,

b = Perpendicular Height.

Then $D^2 + Dd + d^2 \times b \times .2618$, will give the Solidity; that is,

To the Square of the greater Diameter, add the Product of the Two Diameters, and the Square of the lesser Diameter; Multiply their Sum by the Perpendicular Height, and the Product being multiplied by .2618 will give the Solidity.

Mr. WALES, Christ's Hospital.

H O P S.

To keep them—It has been proposed to place them upright on each other, in a dry, close Room, and to fill up the Interstices with Malt, or Kiln Dust, rammed close.

The average Size of Bags, when full, or the Number of Square Feet to contain them on a Floor, is about 7 Feet 6 Inches each.

3 A.

MALT.

M A L T.

MALT.	Unground.	A Quarter occupieth a space very near 10 Cube Feet.
Do.	Do.	A Man may measure with ease 40 Quarters per Hour, into Sacks; with labour, 50 Quarters per Hour.
Do.	Do.	The least Angle, at which Whole Malt will run down a smooth, dry, plained Fir-board, or Gutter, 19 Feet long, and $12\frac{1}{2}$ Inches wide, is 25° .
Do.	Do.	The proper Angle for Whole Malt to run down the Screening Wire, from upper to lower Hopper, is 30° .
Do.	In Sacks.	10 Quarters require about 9 Ft. 6 In. by 6 Ft. 6 In. = 61.75 Square Ft. standing on a Floor.
Do.	Ground.	A Quarter occupieth about 10.5 Cube Feet.
Do.	Do.	From 2 pair of Mill Stones, will fall through a Tin Tube 6 Inches Diameter, at an Elevation of 5 Inches perpendicular Height, to a Length of 12 Inches, horizontal, which is equal to an Angle of 23° ; but an Angle of 31° , for perfect Security, is best.
Do.	Do.	The proper Angle for Ground Malt to run down a smooth, dry, plained Fir-board, or Gutter, 19 Feet long, and $12\frac{1}{4}$ Inches in Width, is 32° .

MALTING FLOOR.

The Quantity of Malting Floor for making a Quarter of Barley into Malt, should not be less than 75 Feet.

C A S K S.

Dimensions of Sundry.

Butt	{	Inside dip of Head,	—	46 Inches.
		Do. Croze to Croze,	—	47.75
		Do. Diameter of Bulge,	—	31.
		Outside Do. of Head,	—	26.
		Diagonal,	—	36.4
Puncheon	{	Inside dip of Head,	—	36.
		Do. Croze to Croze,	—	37.5
		Do. Diameter of Bulge,	—	28.3
		Outside Do. of Head,	—	25.
Barrel	{	Inside, Croze to Croze,	—	28.
		Do. Diagonal of Bulge,	—	25.3
		Do. Diameter of Do.	—	23.1
		Outside Do. of Head,	—	21.5

BACKMAKER.

BACKMAKER.

Stilling { The Length of One to hold 24 Barrels, is 50 Feet.
 { The general { Depth, — — — 12 }
 { Width at top, } Inside { 17 } Inches.
 { Width at bottom, } { 14 }

Oar. For Mashing the main Weight, is about 32.5 Lb.

ENGINEER,

OR

MILLWRIGHT and PUMPMaker.

Cogs. A proper Pigment for Iron and Wooden Cogs, that work into each other, is Oil, Tallow, and Black Lead Dust, mixed to the Consistence of Soft Soap.

Mill Stones. The Diameter of them, when undressed, for Malt, is 39 Inches.

Do. Will grind, on an Average, 120 Quarters without dressing.

Do. A Pair require 12 Hours Work of one Man to dress them, and at the same time to attend another Pair at Work.

Sack Tackle. Velocity of, should not exceed 160 Feet per Minute.

COALS.

Chaldron. Weight of a, with the Ingrain, about 27 Cwt.

Do. One is contained in about 55.8 Cube Feet.

Weight of a Cube Foot of	{	Welch, — — —	1396 Oz.
		Yorkshire Stone Coal, — —	1307
		Lancashire Canal, — —	1273
		Newcastle Old Ducks, — —	1271
		Staffordshire, — —	1241

Pit Coal. A Cube Yard weighs 1 Ton.

One Chaldron will make about 1.3 Cha. of Coke.

A Bushel, Water Measure, is 2720 Cube Inches.

WATER.

An Avoird. Lb. will be saturated with 6 Oz. of Salt.

A Cube Foot, weighs 62.5 Lb. Avoird.

A Beer Barrel, of 10152 Cube Inches, weighs 367.1875 Lb. Avoird.

HOOPS.

Old Butt. 80 will weigh about 2 Cwt.

LEAD

LEAD PIPE.

The Heat is retained in it by covering it with Tow Rope, and plastering it with equal parts of Quick Lime and fine sifted House Fire Ashes, mixed with as much Hair as can be wrought into the Plaster.

The Tenacity of WIRES, FIR, and ROPE; or the Weights they will sustain, being $\frac{1}{8}$ th of an Inch in Diameter.

					Lb.
Wires.	{	Gold,	-	-	500
		Iron,	-	-	450
		Copper,	-	-	300
		Silver,	-	-	270
		Tin,	-	-	49 $\frac{1}{2}$
		Lead,	-	-	29 $\frac{1}{4}$

A Fir Rod, One Inch in Circumference, will sustain 400

A Hempen Rope, One Inch in Circumference, }
will sustain } 1000

F I N I S.

A P P E N D I X.

THE Calculator of the preceding Tables has added these, partly to clear himself from the Imputation of having been the Author of an erroneous Statement; and also, because he hopes that these Remarks, and the additional Tables, may be of some Utility. The supposed Error alluded to, immediately precedes this Appendix. A Hempen Rope of One Inch Circumference, is there stated to be capable of sustaining Lb. 1000: this Statement was taken from Emerson's Mechanics, but, upon a Review, judged to be extreme; and other Books were inspected, in order to find more reasonable Data to proceed on.—That Research has been productive of the First of the following Tables.

Respecting the others, only one Observation appears wanting, which is, that by Cube Decade Measure is meant a Space equal to the 1000th Part of a Cube Foot. Such a Space being filled with pure Rain, or distilled Water, at 60° of Heat, will weigh precisely 1 Avoirdupoise Ounce, which Weight may (perhaps very properly,) be called a Decade Ounce Weight. It is therefore obvious, that 1000 of these Measures will weigh 1000 Decade, or Avoirdupoise Ounces; and also, that they will be equal in Weight and Space to a Cube Foot of such Water as is above mentioned. A Quarter of Corn produced by the Addition of eight Winchester Bushels, will contain 9955.6489 Cube Decade Measures, wanting only 44.3511, or about $\frac{1}{22}$ th part of the same Measures, to be exactly equal to 10 Cube Feet; and were these to be equally divided into 10 other Measures, and reciprocally substituted for the present Winchester Bushel and Quarter, a corresponding Weight and Measure would be established, that would mutually correct each other: all Calculations, founded thereon, would be extremely facilitated; they would also bear a Decade, or Decimal Proportion, with all modern and well-established Tables of Specific Gravity, and ultimately tend to be of essential Service in Arts, Sciences, Trade, Manufactures and Commerce.

The present Standard Bushel, and all the other Measures derived from it, are very defective in their Shape, and very liable to be productive of considerable Error, from the Variety of Ways in which they are filled, and in which the Surplus is struck off. The Area of the Surface should be as small as possible, to admit of the Measure being filled with Ease and Accuracy, with Liquids, and the Surplus struck off with Accuracy, if it be Corn or Grain, &c.

ALL STANDARD MEASURES for both dry and liquid Articles, should surely possess, at least, the following Properties.

They should bear a relative and regular Proportion to our established Measures of Length;—for, by this Means, they would be easily gauged.

They should have a very small Area at their Surface;—for then, the Manner of striking off the Superfluity of Corn or Grain, &c, or the natural Convexity of Liquids, would affect the solid Content in a very trifling Degree.

They should be easy to measure or gauge;—for then the most common Mechanic might soon be satisfied what were the Contents.

They should be capable of being so filled, that the same Weight of any one homogeneous Sort of Corn or Grain, &c, will, as near as possible, produce the same Measure, on repeated Trials;—for then the Weight and Measure will tend to the mutual Correction of each other.

They should be so constructed, that every different Measure should retain the same relative Shape, and each of the lesser Measures should constitute a Part of the greater ones;—for then the Similarity and Regularity of their Shape would still further tend to an easy Detection of any Error in their Make; and the Correctness of one Measure in Use, would, at least in part, be transferred to the others.

A Standard Measure possessing the above, and also other Properties peculiar to itself, is, I think, to be pointed out, viz. A *Square Pyramid*, whose perpendicular Height is exactly three Times the Length of either Side of the Base. Such a Measure, it is presumed, is so formed as to answer all the abovementioned Purposes: and it has these additional Advantages. 1st. If it be subdivided, in any Part, by a plane Section parallel to its Base, it will still retain this original Property, viz, the then remaining Pyramid will have its perpendicular Height thrice the Length of the then remaining Side of the Base. 2dly. The Length of the Side of either, or any of the Bases, will always indicate or equal the Cube Root of the solid Content of the Pyramid. 3dly, If the Length of the Side of the Base be 1 Foot, the perpendicular Height of the Pyramid will be 1 Yard, or 3 Feet.

It now remains to be shewn, how this Pyramid is to be constructed and filled with Corn or Grain, when standing on its Base; and that with Uniformity, both as to Weight and Measure.

The Base is not to be fixed to the Sides of the Pyramid, but to be a smooth and even Board placed horizontally, for the Sides of the Pyramid to rest on, in order that it may be emptied by merely lifting up the Sides, and so leaving the Corn on the Bottom.

It is proper to premise, that in the following Statement, the Foot, in Length, is supposed to be divided (not into Inches and Tenths, &c, but) into 10th Parts, each of which is termed a Long Decade; the Square Foot will consequently contain $10 \times 10 = 100$ Square Decades, and the Cube Foot will contain $10 \times 10 \times 10 = 1000$ Cube Decades.

Suppose this Pyramid be required to contain 10000 Cube Decades = 10 Cube Feet; then, according to the foregoing Principles, the Length of the Side of the Base will be 21.5443 Long Decades, (or Feet $2.1544 = 25.8530$ Inches) for the Cube Root of 10000 is 21.5443; and by the same Principles, the perpendicular Height of the Pyramid will be $21.5443 \times 3 = 64.6329$ Long Decades (or 77.55948 Inches,) because the perpendicular Height is, by those Principles, to be thrice the Length of the Side of the Base. In order to be enabled to fill this Pyramid, a small Part must be cut off from the Vertex, by a plane Section, parallel to the Base, that will leave sufficient Surface at the Top of the remaining Frustum to admit the Corn to fall into it: suppose this Surface to be an Area of about 4 Square Decades, proceed to cut off a Pyramid, whose solid Content will retain a decimal Proportion of the whole Pyramid, say 10 Cube Decades, the Side of the Base of this small Pyramid (by the foregoing Rule) will be

be 2.1544 Cube Decades, and the Area of the Top of the remaining Fruustum will consequently be $2.1544^2 = 4.6414$ the Surface required.

To fill this Fruustum, so that the same (or very nearly the same) Weight of Corn should produce the same Measure, fix a Hopper that will contain rather more than enough to fill the Fruustum, with a circular Nozzle at the Bottom, of about $1\frac{1}{2}$ Inch Diameter, and a Slide between the Bottom of the Hopper and the Top of the Nozzle, so that the Bottom of the Nozzle will be about two Feet above the Top of the Fruustum, and place the Centre of the Fruustum perpendicularly under the Centre of the Nozzle:—the Fruustum should have a Tin Funnel to go on it, that it may guide the Corn from the Hopper into the Fruustum. The Hopper being filled, and the Fruustum thus disposed, pull out the Slide, and the Grain will run into the Fruustum: the Instant it is filled, push in the Slide, take off the Tin Funnel, and strike the Superfluity from the Top of the Fruustum, which will then contain, of Cube Decades — 9990.

Fill the small Pyramid, containing of Do. 10. by Hand, and

you will have the whole Quantity required, viz. 10000. Cube Decades.

If it be required to construct a Square Pyramid Measure, that will contain an exact Sack, or four Winchester Bushels, for the Purpose of measuring Malt; and that the small Pyramid, cut off from, but, as before, to become a Part of the general Measure, should contain an exact Quart—proceed thus, as by the former Method of Calculation:

The Cube Inches in 4 Bushels are — 8601.6806

The Cube Inches in 1 Quart are — 67.2006

The Cube Root of 8601.6806 is 20.4894 Inches = the Length of the Side of the Base of the Pyramid, to contain 4 Bushels; and $20.4894 \times 3 = 61.4682$ = the perpendicular Height of the Pyramid, that will contain 4 Bushels.

Again, The Cube Root of 67.2006 is 4.0656 Inches = the Length of the Side of the Base of the Pyramid to contain 1 Quart; and $4.0656 \times 3 = 12.1968$ = the perpendicular Height of the Pyramid, that will contain 1 Quart.

By the foregoing Method of Calculation, the Dimensions of a Square Pyramid that will contain 1 Quarter or 8 Bushels of Malt, will be as follows:

Length of Side of Base, — — — Inches 25.8149

Perpendicular Height, thrice the Length of Side of Base, Do. 77.4447

Observe,

The perpendicular Height of the Pyramid to contain 10000. Cube

Decades, or 10 Cube Feet, is — — — 77.55948

And the perpendicular Height of the Pyramid to contain 1 Quarter, is 77.44470

Therefore, if — — — 0.11478

of an Inch perpendicular Depth be cut off from the Base of the former Pyramid, it will be reduced exactly to the Content of this.

It is obvious from the foregoing Process, that it is very easy to calculate what Part must be detached from either of these, or any other such like Pyramid; to leave one that will contain an exact Bushel, Gallon, Cube Inch, Cube Decade, or any other given Quantity, less than the solid Content of the whole: and that it is equally easy to add any Proportion that may be thought proper to such a Standard Measure.

A TABLE,

A T A B L E,

Shewing the Length a Rope of any given Circumference, from 1 to 14 Inches, will be to weigh 1 Cwt. ; and also, the Weight it will sustain.

Circumf. in Inches.	Length to weigh 1 Ct. in Feet.	The Weight a Rope, whose Circumference is expressed in the 1st Column, will bear in		Circumf. in Inches.	Length to weigh 1 Ct. in Feet.	The Weight a Rope, whose Circumference is expressed in the 1st Column, will bear in	
	Chambers' Encyclop.	Tuns or Lbs. Encyclop. Britannica.			Chambers' Encyclop.	Tuns or Lbs. Encyclop. Britannica.	
1.	2916.	0.2	448	7.75	51.5	12.0125	26908
1.25	1891.	0.3125	700	8.	45.5	12.8	28672
1.5	1296.	0.45	1008	8.25	42.6	13.6125	30492
1.75	957.	0.6125	1372	8.5	40.25	14.45	32368
2.	747.	0.8	1792	8.75	38.083	15.3125	34300
2.25	578.	1.0125	2268	9.	36.	16.2	36288
2.5	465.	1.25	2800	9.25	34.	17.1125	38332
2.75	394.	1.5125	3388	9.5	32.	18.05	40432
3.	324.	1.8	4032	9.75	30.25	19.0125	42588
3.25	275.16	2.1125	4732	10.	29.	20.	44800
3.5	237.	2.45	5488	10.25	28.083	21.0125	47068
3.75	207.75	2.8125	6300	10.5	26.16	22.05	49392
4.	181.5	3.2	7168	10.75	25.6	23.1125	51772
4.25	161.25	3.6125	8092	11.	24.25	24.2	54208
4.5	144.	4.05	9072	11.25	23.583	25.3125	56700
4.75	129.	4.5125	10108	11.5	22.083	26.45	59248
5.	117.	5.	11200	11.75	21.25	27.6125	61852
5.25	106.	5.5125	12348	12.	20.25	28.8	64512
5.5	97.	6.05	13552	12.25	20.083	30.0125	67228
5.75	88.5	6.6125	14812	12.5	20.	31.25	70000
6.	81.	7.2	16128	12.75	19.6	32.5125	72828
6.25	74.	7.8125	17500	13.	17.25	33.8	75712
6.5	69.	8.45	18928	13.25	16.75	35.1125	78652
6.75	64.	9.1125	20412	13.5	16.	36.45	81648
7.	59.5	9.8	21952	13.75	15.5	37.8125	84700
7.25	55.5	10.5125	23548	14.	14.083	39.2	87808
7.5	52.	11.25	25200				

A T A B L E

Of the Specific Gravity and Weight of Distilled Water, at different Temperatures.

From Phil. Transf. 1790, Part 2, Page 333. with Additions.

Heat.	Specific Gravity of the Water.	Weight of the Water, in Avoirdupoise or Decade Ounces.	Weight of the Water in Grains.
30°			
35	1.00087	6.78178 $\frac{2}{7}$	2967.03
40	*1.00091	*6.78249 $\frac{1}{7}$	*2967.34
45	1.00084	6.78237 $\frac{1}{7}$	2967.29
50	1.00066	6.78164 $\frac{4}{7}$	2966.97
55	1.00040	6.78032	2966.39
60	1.00000	6.77803 $\frac{1}{7}$	2965.39
65	0.99952	6.77524 $\frac{4}{7}$	2964.17
70	0.99896	6.77193 $\frac{1}{7}$	2962.72
75	0.99832	6.76806 $\frac{6}{7}$	2961.03
80	0.99762	6.76372 $\frac{4}{7}$	2959.13
85	0.99685	6.75892 $\frac{4}{7}$	2957.03
90	0.99602	6.75382 $\frac{2}{7}$	2954.80
95	0.99507	6.74788 $\frac{4}{7}$	2952.20
100	0.99404	6.74139 $\frac{3}{7}$	2949.36

Observe. * " Water kept from freezing to 30°, which may easily be done, will absolutely contract as it is heated for Ten or more Degrees, that is, to 40° or 42° of the Thermometer, and will then begin to expand as its Heat is augmented, at first slowly, and afterwards gradually more rapidly, so as to observe upon the whole a very increasing Progression."

Phil. Transf. 1790, Part 2d, Page 323.

A T A B L E

Of the Temperature of Boiling Water, at different Heights of the Barometer, according to the Scale of Farenheit's Thermometer.

Vide Watson's Chemical Essays, Vol. 3, Page 158; and Philos. Transf. Vol. 69, Page 362; and Cavallo on Air, Page 215.

Height of the Barometer.	Heat of boiling Water according to	
	Mr. de Luc.	Sir G. Shuckberg.
Inches.	Degrees.	Degrees.
26	205.17	204.91
26 $\frac{1}{2}$	206.07	205.82
27	206.96	206.73
27 $\frac{1}{2}$	207.84	207.63
28	208.69	208.25
28 $\frac{1}{2}$	209.55	209.41
29	210.38	210.28
29 $\frac{1}{2}$	211.20	211.15
30	212.	212.
30 $\frac{1}{2}$	212.79	212.85
31	213.57	213.69

A TABLE shewing the Net Quantity of Beer remaining, after having deducted from the Gross Quantity One Barrel in every Twenty-one.

Gross.	Net.	= Net.				Gross.	Net.	= Net.			
Barls.	Barrels.	Bar.	Gall.	Qts.	Pints	Barls.	Barrels.	Bar.	Gall.	Qts.	Pints
1	0.95238 0	0	34	1	0 $\frac{2}{7}$	12	11.42857 1	11	15	1	1 $\frac{1}{7}$
2	1.90476 1	1	32	2	0 $\frac{4}{7}$	13	12.38095 2	12	13	2	1 $\frac{5}{7}$
3	2.85714 2	2	30	3	0 $\frac{6}{7}$	14	13.3	13	12	0	0
4	3.80952 3	3	29	0	1 $\frac{1}{7}$	15	14.28571 4	14	10	1	0 $\frac{2}{7}$
5	4.76190 4	4	27	1	1 $\frac{3}{7}$	16	15.23809 5	15	8	2	0 $\frac{4}{7}$
6	5.71428 5	5	25	2	1 $\frac{5}{7}$	17	16.19047 6	16	6	3	0 $\frac{6}{7}$
7	6.6	6	24	0	0	18	17.14285 7	17	5	0	1 $\frac{1}{7}$
8	7.61904 7	7	22	1	0 $\frac{2}{7}$	19	18.09523 8	18	3	1	1 $\frac{3}{7}$
9	8.57142 8	8	20	2	0 $\frac{4}{7}$	20	19.04761 9	19	1	2	1 $\frac{5}{7}$
10	9.52380 9	9	18	3	0 $\frac{6}{7}$	21	20.00000 0	20	0	0	0
11	10.47619 0	10	17	0	1 $\frac{1}{7}$						

Gross Barrels.	Net Barrels.	Gross Barrels.	Net Barrels.	Gross Barrels.	Net Barrels.	Gross Barrels.	Net Barrels.
42	40	399	380	756	720	4200	4000
63	60	420	400	777	740	5250	5000
84	80	441	420	798	760	6300	6000
105	100	462	440	819	780	7350	7000
126	120	483	470	840	800	8400	8000
147	140	504	480	861	820	9450	9000
168	160	525	500	882	840	10500	10000
189	180	546	520	903	860	21000	20000
210	200	567	540	924	880	31500	30000
231	220	588	560	945	900	42000	40000
252	240	609	580	966	920	52500	50000
273	260	630	600	987	940	63000	60000
294	280	651	620	1008	960	73500	70000
315	300	672	640	1029	980	84000	80000
336	320	693	660	1050	1000	94500	90000
357	340	714	680	2100	2000	105000	100000
378	360	735	700	3150	3000		

A Rule to find the Net Number of Barrels resulting from any Gross Number in, or deducible from, the foregoing Table.

Seek amongst the Gross Barrels the Number nearest to, but less than, the given Number, against that Gross Number, and in the Column adjoining it, on the Right-hand, is the adequate Net Number. Seek the Remainder of the Gross Number in the First Part of the Table; and the Net Number against that, being added to the Net Number found before, will be the Number required.

EXAMPLE. Required the Net Number of Barrels contained in 447 Gross Barrels?

	Gross.			Bars.	Gal.	Qts.	Pints.
Against	441	is	—	Net Barrels	420	0	0
And against	6	is	—	Do.	5	25	2 1 $\frac{1}{7}$

Therefore 447 Gross Barrels = Net Barrels 425 25 2 1 $\frac{1}{7}$ required.

A T A B L E

Of Avoirdupoise Pounds, compared with Decade or Avoirdupoise Ounces.

Lbs.	Ounces.	Lbs.	Ounces.	Lbs.	Ounces.	Lbs.	Ounces.
1	16	29	464	57	912	85	1360
2	32	30	480	58	928	86	1376
3	48	31	496	59	944	87	1392
4	64	32	512	60	960	88	1408
5	80	33	528	61	976	89	1424
6	96	34	544	62	992	90	1440
7	112	35	560	63	1008	91	1456
8	128	36	576	64	1024	92	1472
9	144	37	592	65	1040	93	1488
10	160	38	608	66	1056	94	1504
11	176	39	624	67	1072	95	1520
12	192	40	640	68	1088	96	1536
13	208	41	656	69	1104	97	1552
14	224	42	672	70	1120	98	1568
15	240	43	688	71	1136	99	1584
16	256	44	704	72	1152	100	1600
17	272	45	720	73	1168	101	1616
18	288	46	736	74	1184	102	1632
19	304	47	752	75	1200	103	1648
20	320	48	768	76	1216	104	1664
21	336	49	784	77	1232	105	1680
22	352	50	800	78	1248	106	1696
23	368	51	816	79	1264	107	1712
24	384	52	832	80	1280	108	1728
25	400	53	848	81	1296	109	1744
26	416	54	864	82	1312	110	1760
27	432	55	880	83	1328	111	1776
28	448	56	896	84	1344	112	1792

Avoirdupoise Drams, compared with Decade or Avoirdupoise Ounces.

Drams.	Ounces.	Drams.	Ounces.	Drams.	Ounces.	Drams.	Ounces.
1	0.0625	5	0.3125	9	0.5625	13	0.8125
2	0.125	6	0.375	10	0.625	14	0.875
3	0.1875	7	0.4375	11	0.6875	15	0.9375
4	0.25	8	0.5	12	0.75	16	1.0000

A T A B L E

To Compare Cube Decade with Yeast
Store Measures.

The Standard Measure for the Store of
Yeast being estimated at 21 Beer Gal-
lons, each containing 282 Cubic Inches.

Cube De- cades.	Yeast Stores.	Yeast Stores.	Cube Decades
1	0.00029 1793	1	3427.083
2	0.00058 3586	2	6854.16
3	0.00087 538	3	10281.25
4	0.00116 7173	4	13708.3
5	0.00145 8966	5	17135.416
6	0.00175 076	6	20562.5
7	0.00204 2553	7	23989.583
8	0.00233 4346	8	27416.6
9	0.00262 614	9	30843.75

A T A B L E

To Compare Cube Decade with Cube
Inch Measures.

Cube De- cade.	Cube Inches.	Cube Inch.	Cube Decade.
1	1.728	1	0.578703
2	3.456	2	1.15740
3	5.184	3	1.7361
4	6.912	4	2.3148
5	8.64	5	2.893518
6	10.368	6	3.472
7	12.096	7	4.050925
8	13.824	8	4.629
9	15.552	9	5.2083

A T A B L E

To Compare Cube Decade with Beer
Gallon Measures.

Cube De- cade.	Beer Gallon.	Beer Gall.	Cube De- cade.
1	0.00612 7	1	163.194
2	0.01225 5	2	326.38
3	0.01838 3	3	489.583
4	0.02451 1	4	652.7
5	0.03063 8	5	815.972
6	0.03676 6	6	979.16
7	0.04289 4	7	1142.361
8	0.04902 1	8	1305.5
9	0.05514 9	9	1468.75

A T A B L E

To Compare Cube Decade with Beer
Barrel Measures.

Cube De- cade.	Beer Barrel.	Beer Barrel	Cube De- cade.
1	0.00017 02127	1	5875.
2	0.00034 04255	2	11750.
3	0.00051 06383	3	17625.
4	0.00068 08511	4	23500.
5	0.00085 10638	5	29375.
6	0.00102 12766	6	35250.
7	0.00119 14894	7	41125.
8	0.00136 17021	8	47000.
9	0.00153 19149	9	52875.

A

METHOD OF CALCULATING,

WITH EASE AND TOLERABLE ACCURACY,

The EFFECT of the POWER of a MAN, a HORSE (= 5 MEN), or a STEAM ENGINE of any comparative Power with that of a MAN.

THE Power of a Man, it is presumed, is capable of raising Lb. 100· Avoirdupoise, 1 Foot high, in 1 Second.

Let P = the Power of the Man = 100·
W = the given Weight to be raised.
S = the Space it is to pass through.
T = the Time of the Operation.

From whence arise the following Cases.

Cafe.	Given.	Required.	Preparation.	
1	P W S	T	$\frac{W S}{P}$	= T
2	P S T	W	$\frac{T P}{S}$	= W
3	P T W	S	$\frac{T P}{W}$	= S

Observe—Before any Arithmetical Operation can properly be effected,
The Weight given must be reduced to Pounds.

Space ——— to Feet.

Time ——— to Seconds

Power ——— { to the Number of Men,
multiplied by 100.

CASE I. Example 1.

In what Time will 1 Man raise Lb. 4800·, 80 Feet high?

Here W = 4800·

S = 80·

And $W \cdot S = 384000 \div P = 100 = 3840 \cdot = 64 \cdot = 1 \cdot 4$, the Answer.
3 D CASE

CASE I. *Example 2.*

In what Time will a Steam Engine, having the Power of 50 Men, raise 30000 Quarters of Malt, at Lb. 300 to the Quarter, 80 Feet high?

1st. $30000 \times 300 = 9000000$ Lbs. the whole Weight of the Malt.

Then, per Case I,

$W = 9000000 \times S = 80 = 720000000 \div P = 5000$ (for as the Power of 1 Man is Lb. 100 the Power of 50 will be 5000) $= 144000$ Seconds, $= 2400$ Minutes, $= 40$ Hours, the Answer.

CASE II. *Example 1.*

What Weight can 1 Man raise 80 Feet high in 3840''?

Here $T = 3840 \times P = 100 = 384000 \div S = 80 =$ Lbs. 4800 Answer.

Example 2.

What Weight of Water will a Steam Engine, having the Power of 50 Men, raise 50 Feet high in an Hour?

The Power, expressed in the Question, will amount to Lb. 5000.

Time, — — — to 3600''
which being multiplied together, will $= 18000000 \div 50$ Space $= 360000$ Lbs. the Answer.

CASE III. *Example 1.*

Through what Space can 1 Man raise Lb. 4800 in 3840''?

Here $T = 3840 \times P = 100 = 384000 \div W = 4800 = 80$ Feet, the Answer.

Example 2.

To what Height, or through what Space, can 9000000 Lb. be raised in 40 Hours, by a Steam Engine, having the Power of 50 Men?

Here $T = 40 \times 60 \times 60 = 144000''$
 $P = 100 \times 50 = 5000$

Therefore $T \cdot P = 720000000$
And $720000000 \div 9000000 = 80$ Feet, the Answer.

Example 3.

What number of Beer Barrels of Water will a Steam Engine, having the Power of 50 Men, raise 100 Feet high in 10 Seconds, in a Minute, or in an Hour?

Observe—The Weight of a Beer Barrel of Water is Lb. 367.1875.
 $10'' \times 5000 \div 100 =$ Lb. 500 $\div 367.1875 =$ Barrels 1.3617, Ans. for 10''.

And $1.3617 \times 6 =$ Barrels 8.1702 per Minute.

And $8.1702 \times 60 =$ Barrels 522.120 per Hour.

A Steam

A Steam Engine, having the Power of 50 Men, can raise 300000 Lb.
1 Foot high, in 1 Minute.

A Man can raise — 100 Lb. 1 Foot high, in 1 Second.

A Horse can raise — 500 Lb. 1 Foot high, in 1 Second.

A Steam Engine, having the
Power of 10 Horses, or 50 Men, } 5000 Lb. 1 Foot high, in 1 Second.
can raise — —

A T A B L E,

Shewing the Weight in Pounds, Hundred Weights, or Tuns, that a Steam Engine, having the Power of 10 Horses, or 50 Men, will raise, to any given Height, in a Minute, or in an Hour, with a moderate Exertion of its whole Power.

Given height in Feet.	Weights to be raised per					
	Minute.	Hour.	Minute.	Hour.	Minute.	Hour.
	Lbs.	Lbs.	Cwt.	Cwt.	Tuns.	Tuns.
1	300000.	18000000.	2678.	160680.	133.9	8034.
2	150000.	9000000.	1339.	80340.	66.95	4017.
3	100000.	6000000.	893.	53580.	44.64	2678.
4	75000.	4500000.	669.	40140.	33.48	2008.
5	60000.	3600000.	535.	32100.	26.78	1607.
6	50000.	3000000.	446.	26760.	22.32	1339.
7	42857.	2571428.	382.	22920.	19.13	1148.
8	37500.	2250000.	335.	20100.	16.74	1004.
9	33333.	2000000.	297.	17853.	14.88	893.

For Tens of Feet in Height, remove the Decimal Points one Place towards the Left-hand ; for Hundreds of Feet, two Places, and so on.

Additional Remarks respecting Decade Measures.

IF they were in common Use, they would be still further serviceable when applied to the very excellent Tables of Mr. Gilpin, in the Philosophical Transactions for 1794, "For reducing the Quantities by Weight in any Mixture of Pure Spirit and Water, to those by Measure, &c," because they would entirely supersede the Necessity of multiplying the given Quantity of Spirit, by the Figures in the 8th Column of the Tables, as directed, for finding the Quantity of Pure Spirit contained in the Mixture. And hence it appears, a great Convenience would arise both to the Trader and Officer under the Excise Laws, if all Standard Measures, for Exciseable, as well as other Liquors, bore a Decimal or Decade Proportion to the Avoirdupoise Ounce of Pure Rain, or Distilled Water, at 60° of Heat; that Ounce being the 1000th Part of the Cube Foot, derived from the present established Foot, in Length. For, if the Measure containing the Spirit to be weighed, for finding the Quantity of Pure Spirit contained in it, be an exact Decade or Avoirdupoise Ounce Measure, or any Decuple of it, and the given Heat be any one of those at the Top of the Tables, the Decimal Multipliers in the 8th Column will directly indicate the Quantity of Pure Spirit contained in the Mixture, at .825 of Specific Gravity, and at 60° of Heat.

EXAMPLE I.

Required the Quantity of Pure Spirit in a Mixture, supposing the Heat to be 50°, the Specific Gravity to be .895, and the Net Contents of the Measure to be 1 Decade Ounce.

Under 50° of Heat, and in Column 2, find the Specific Gravity nearest to that required, which is .89484; and in the same horizontal Line, in Column 8, is the Answer, viz. .7585 Decimal Parts by Measure, out of the 1 Decade Ounce Measure, is Pure Spirit of .825 Specific Gravity, at 60° of Heat.

EXAMPLE II.

Suppose the $\left\{ \begin{array}{l} \text{Heat} \\ \text{Specific Gravity} \\ \text{Quantity} \end{array} \right\}$ to be $\left\{ \begin{array}{l} 35^\circ \\ .909 \\ 1000 \end{array} \right.$ Decade Ounce Measures = 1 Cube Foot.

Required the Quantity of Pure Spirit of .825 Specific Gravity, at 60° of Heat.

Then, under 35° of Heat, in Column 2, find .909, and in the same horizontal Line, in Column 8, is the Decimal .7297 = the Quantity of Pure Spirit in 1 Decade Ounce Measure; therefore it is obvious that the Quantity contained in 1000 Decade Ounce Measures will be 729.7, i. e. 729.7 Parts of Pure Spirit out of 1000 the whole Mixture.

E R R A T A.

In the Explanation and Use of the Tables,

Page 21, Line 12 from top, for *Tables* lege *Table*.

In the Tables,

Page 1, Column 5, Line 2, for $\cdot 02459349$ lege $\cdot 02459349$.

— 79, Line 8 of Title, for 18.355 &c. lege 8.355 &c.

— 86, Line 6 of Title, for *Gall. of Beer* lege *Beer Gallon*.

— 89, at bottom of Title add “*at one Inch in Depth.*”

E R R A T A

in the Explanation and Use of the Tables,

Page 21, Line 12 from top, for Table 102e Table.

In the Tables

Page 1, Column 2, Line 2, for "assessable" read "assessable"

— 20. Line 8 of Title for 18.255 the legs 8.255 Dec.

— 55, line 6 of title, for Call of Page Bar Callon.

—See at bottom of Title add "see also in D. 1011."